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Summary of Changes

This section describes the technical changes made in this edition. This edition might also include minor corrections and editorial changes which are not identified.

August, 2018 - Version 528

Additions in this update

► New product(s)
  ThinkVision X1 (2nd Gen) announced July 2018
  ThinkVision P32u announced July 2018
  ThinkVision T27i announced July 2018
  ThinkVision S27i announced May 2018

► New model(s)
  None

► Others
  None

Withdrawals in this update

► Withdrawn product(s)
  None
Lenovo ThinkVision E1922s Wide

**Features**
- Widescreen 18.5-inch monitor
- Supports HD 1366x768 resolution
- Supports VESA mount (100mm)
- Mercury free panel and arsenic free glass
- Kensington lock slot ready for enhanced security
- Support Lenovo Tiny PC via VESA mount
- Supports optional soundbar
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified

**Product Specifications Reference (PSREF)**

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**VESA-compliant**
- VESA DPMS-compliant

**Power management**
- ENERGY STAR® 7.0

**Ergonomics**
- ISO 9241-307

**Emission standards**
- FCC Class B

**Environmental**
- TCO (TCO Displays 7.0), WEEE, RoHS, EPEAT® Gold rating

**Presets / user settings**
- Standard presets: 15
- User settings: 16

**Viewing adjustments**
- Tilt: 20° backward, -5° forward

**Rotating screen**
- None

**Control features**
- On screen display with digital user controls (8 languages)
- Direct access (control buttons on front) for automatic image setup and adjustment for brightness

**Multiple input**
- None

**Monitor connectors**
- VGA 15-pin D-shell, analog, blue

**Mounting features**
- Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
- Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
- Monitor with stand, 1.8 meter analog signal cable, 1.8 meter black power cord

**Limited Warranty**

**Accessories**
- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620

See details at www.lenovo.com/support/monitoraccessories

See all monitors at www.lenovo.com/thinkvision

Lenovo
February 2014
### Lenovo ThinkVision E2054 Wide

**Name**
E2054 Wide Flat Panel Monitor

**Case color**
Raven black

**Type-model**
60DFAAR1US / 60DFAAT1EU

**Panel**
TFT-LCD, In-Plane Switching (IPS), LED backlight

**Viewable image size**
19.5" (494mm) diagonal

**Max view area (W x H)**
16.48" x 10.33" / 418.6mm x 262.4mm

**Native resolution**
1440x900

**Aspect ratio**
16:10

**Pixel pitch (mm)**
0.097mm x 0.292mm

**Brightness**
250 nits or cd/m² (typical)

**Contrast ratio**
1000:1 (typical)

**Pixel response time**
7ms (typical)

**Color gamut**
72%

**Viewing angle at 10:1 CR**
178° (+/- 89°) horizontal, 178° (+/- 89°) vertical

**Stand**
Tilt adjustable stand

**Bezel width**
Top: 0.71" (18.0mm)
Bottom: 0.70" (17.9mm)
Sides: 1.02" (26.0mm)

**Dimensions (HxWxD)**
14.65" H x 17.95" W x 7.41" D;
372.0mm H x 456.0mm W x 188.3mm D

**Power supply**
16 watts typical, 20 watts maximum,
<0.5 watts standby/suspend, universal,
integrated (no external brick-like power supply)

**Weight**
6.17 lb; 2.8 kg

**Limited warranty**
3 year (includes backlight)

**Available date**
November 2015

**VESA-compliant**
VESDPMS-compliant

**Power management**
ENERGY STAR® 6.0

**Ergonomics**
ISO 9241-307

**Emission standards**
FCC Class B

**Environmental**
TCO (TCO Displays 6.0), WEEE, RoHS,
EPEAT™ Silver rating

**Preset resolutions**
VGA: 640x480, 720x400
SVGA: 800x600
XGA: 1024x768
SXGA: 1280x768, 1280x1024
WXGA: 1366x768
WXGA+: 1440x900

**Presets / user settings**
Standard presets: 18
user settings: 10

**Viewing adjustments**
Tilt: 22° backward, -5° forward

**Rotating screen**
None

**On screen display**
On screen display with digital user controls (8 languages)

**Control features**
Direct access (control buttons on front) for automatic image setup and adjustment for brightness

**Multiple input**
None

**Monitor connectors**
VGA 15-pin D-shell, analog, blue
detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter

**Mounting features**
Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Security**
Monitor with stand, 1.8 meter analog signal cable, 1.8 meter black power cord

---

**Features**
- Widescreen 19.5-inch monitor
- Supports HD 1440x900 resolution
- Supports VESA mount (100mm)
- Mercury free panel and arsenic free glass
- Kensington lock slot ready for enhanced security
- Support Lenovo Tiny PC via VESA mount
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified

---

**Limited Warranty**

**Accessories**
- Kensington MicroSaver Cable Lock
  - 73P2582
- Kensington Twin Head Cable Lock
  - 45K1620

See details at [www.lenovo.com/support/monitoraccessories](www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](www.lenovo.com/thinkvision)

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Lenovo
November 2015
## Lenovo ThinkVision LT1913p Square Monitor

### Features
- 19-inch Square IPS LED backlit panel
- Supports 1280x1024 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Mercury and arsenic free glass
- Low Halogen
- Recycled content in plastic material
- Supports optional soundbar
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified

### Specifications

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<th>Name</th>
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<tr>
<td>Case color</td>
<td>Black</td>
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<tr>
<td>Type-model</td>
<td>60FBHAR1US / 60FBHAT1EU</td>
</tr>
<tr>
<td>Panel</td>
<td>TFT-LCD, In-Plane Switching (IPS), White LED backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>19.0” (480.0mm) diagonal</td>
</tr>
<tr>
<td>Max view area (W x H)</td>
<td>14.76” x 11.80” (374.7mm x 299.8mm)</td>
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<tr>
<td>Optimum resolution</td>
<td>1280x1024</td>
</tr>
<tr>
<td>Max pixel rate</td>
<td>205MHz (VGA), 165MHz (DVI)</td>
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<tr>
<td>Aspect ratio</td>
<td>5:4</td>
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<tr>
<td>Pixel pitch (mm)</td>
<td>0.0976 (H) x 0.2928 (V) mm</td>
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<tr>
<td>Brightness</td>
<td>250 nits or cd/m² (typical)</td>
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<tr>
<td>Contrast ratio</td>
<td>1000:1 (typical)</td>
</tr>
<tr>
<td>Pixel response time</td>
<td>7ms (typical)</td>
</tr>
<tr>
<td>Color gamut</td>
<td>72%</td>
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<tr>
<td>Viewing angle at 10:1 CR</td>
<td>178° horizontal, 178° vertical</td>
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<td>Stand</td>
<td>Tilt, swivel, pivot, and height adjustable stand</td>
</tr>
<tr>
<td>Bezel width</td>
<td>Sides: 0.68” (17.4mm); top: 0.68” (17.4mm); bottom: 0.68” (17.4mm)</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>14.63” H x 16.18” W x 10.40” D; 371.5mm H x 411.0mm W x 264.2mm D</td>
</tr>
<tr>
<td>Power supply</td>
<td>24 watts typical, 27 watts maximum, &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
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<tr>
<td>Weight</td>
<td>10.69 lb; 4.85kg</td>
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<tr>
<td>Limited warranty</td>
<td>3 year (includes backlight)</td>
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<tr>
<td>Available date</td>
<td>April 2015</td>
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<tr>
<td>VESA-compliant</td>
<td>VESA DDC2B/CI, EDID 1.3</td>
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<tr>
<td>Power management</td>
<td>ENERGY STAR® 7.0</td>
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<td>Ergonomics</td>
<td>ISO 9241-307</td>
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<td>Emission standards</td>
<td>FCC Class B</td>
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<td>Environmental</td>
<td>TCO Displays 7.0, TCO Certified Edge 1.1, WEEE, RoHS, EPEAT™ Gold rating, ULE Gold</td>
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<tr>
<td>Preset resolutions</td>
<td>VGA: 640x350, 640x480, 720x400</td>
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<td>SVGA: 800x600, 823x624</td>
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<td>XGA: 1024x768, 1152x864, 1152x900</td>
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<td></td>
<td>SXGA: 1280x1024</td>
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<tr>
<td>Presets / user settings</td>
<td>Standard presets: 20; user settings: 20</td>
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<tr>
<td>Viewing adjustments</td>
<td>Tilt: 30° back, -5° forward; lift: 4.3” (110mm); swivel: +/- 45°</td>
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<tr>
<td>Rotating screen</td>
<td>Screen pivots 90 degrees from landscape to portrait</td>
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<tr>
<td>Control features</td>
<td>Direct access (buttons on front) for automatic image setup, input switch, and brightness</td>
</tr>
<tr>
<td>Multiple input</td>
<td>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</td>
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<tr>
<td>Monitor connectors</td>
<td>(1) VGA 15-pin D-shell, analog, blue</td>
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<td></td>
<td>(2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant</td>
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<tr>
<td>Signal cables</td>
<td>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</td>
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<tr>
<td></td>
<td>(2) detachable, DVI-D at each end, digital, 1.8 meter</td>
</tr>
<tr>
<td>Mounting features</td>
<td>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPM® (100mm mount)</td>
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<tr>
<td>Security</td>
<td>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</td>
</tr>
<tr>
<td>Ship group</td>
<td>Monitor, attached stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord</td>
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</table>

### Accessories

- Kensington MicroSaver Cable Lock
- Kensington Twin Head Cable Lock
- Lenovo Security Cable Lock
- Lenovo Easy Reach Monitor Stand

See details at [www.lenovo.com/support/monitoraccessories](https://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](https://www.lenovo.com/thinkvision)

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**Limited Warranty**


**Accessories**

- Kensington MicroSaver Cable Lock
- Kensington Twin Head Cable Lock
- Lenovo Security Cable Lock
- Lenovo Easy Reach Monitor Stand

See details at [www.lenovo.com/support/monitoraccessories](https://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](https://www.lenovo.com/thinkvision)

---

Lenovo

April 2015
**Name**
T1714 Square Flat Panel Monitor

**Case color**
Black

**Type-model**
60FDHAR1US / 60FDHAT1EU

**Panel**
TFT-LCD, twisted nematic (TN), White LED backlight

**Viewable image size**
17.0" (432mm) diagonal

**Max view area (W x H)**
13.3" x 10.6" (337.9mm x 270.3mm)

**Optimum resolution**
1280x1024

**Aspect ratio**
5:4

**Panel pitch (mm)**
0.264mm

**Dot/Pixel per Inch**
96 dpi

**Brightness**
250 nits or cd/m² (typical)

**Contrast ratio**
1000:1 (typical)

**Pixel response time**
5ms (typical)

**Color gamut**
72%

**Viewing angle at 10:1 CR**
170°(+/- 85°) horizontal, 160° (+/- 80°) vertical

**Stand**
Tilt stand

**Dimensions**
Sides: 0.69" (17.5mm)

**Power supply**
14.72" H x 14.74" W x 7.87" D;
373.9mm H x 374.5mm W x 200mm D

**Power supply**
14.0 watts typical, 18.0 watts maximum,
<0.5 watts standby/suspend, universal,
integrated (no external brick-like power supply)

**Weight**
5.75 lb; 2.61kg

**Limited warranty**
3 year (includes backlight)

**Available date**
September 2015

**VESA-compliant**
VESA DDC2B/CI

**Power management**
ENERGY STAR® 7.0

**Ergonomics**
ISO 9241-307

**Emission standards**
FCC Class B

**Environmental**
TCO Displays 7.0, TCO Certified Edge 2.0, WEEE,
RoHS, EPEAT™ Gold rating

**Preset resolutions**
VGA: 640x350, 640x480, 720x400
SVGA: 800x600
XGA: 1024x768, 1152x864,
SXGA: 1280x800, 1280x1024

**Presets / user settings**
Standard presets: 17;
user settings: 17

**Viewing adjustments**
Tilt: 22° back, -5° forward

**Rotating screen**
None

**On screen display**
On screen display with digital user controls (8 languages)

**Control features**
Direct access (buttons on front) for automatic image setup and brightness

**Multiple input**
Dual input (two different PCs attach to two different connectors; one PC shows images; select via button)

**Monitor connectors**
(1) VGA 15-pin D-shell, analog, blue
(2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant

**Signal cables**
(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
(2) detachable, DVI-D at each end, digital, 1.8 meter

**Mounting features**
Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)

**Security**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor and stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable,
1.8 meter DVI-D cable, 1.8 meter black power cord

**Features**
- 17-inch Square LCD monitor
- Supports SXGA 1280x1024 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Mercury Arsenic free glass
- Supports optional soundbar
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified
- Microsoft Windows 8.1 certified
- Microsoft Windows 10 certified
- VESA-compliant
- ENERGY STAR® 7.0
- ISO 9241-307
- FCC Class B
- TCO Displays 7.0, TCO Certified Edge 2.0, WEEE,
- RoHS, EPEAT™ Gold rating
- VGA: 640x350, 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768, 1152x864,
- SXGA: 1280x800, 1280x1024
- Tilt: 22° back, -5° forward
- None
- On screen display with digital user controls (8 languages)
- Direct access (buttons on front) for automatic image setup and brightness
- Dual input (two different PCs attach to two different connectors; one PC shows images; select via button)
- VGA 15-pin D-shell, analog, blue
- Digital Visual Interface (DVI-D), digital, white, HDCP-compliant
- (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
- (2) detachable, DVI-D at each end, digital, 1.8 meter
- Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
- Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Limited Warranty**

**Accessories**
Kensington MicroSaver Cable Lock 73P2582
Kensington Twin Head Cable Lock 45K1620
Lenovo Easy Reach Monitor Stand 55Y9258

See details at www.lenovo.com/support/monitoraccessories

See all monitors at www.lenovo.com/thinkvision

Lenovo
September 2015
Lenovo ThinkVision T1714p

**Name**
T1714p Square Flat Panel Monitor

**Case color**
Black

**Type-model**
60FELAR1US / 60FELAT1EU

**Panel**
TFT-LCD, twisted nematic (TN), White LED backlight

**Viewable image size**
17.0" (432mm) diagonal

**Max view area (W x H)**
13.3" x 10.6" (337.9mm x 270.3mm)

**Optimum resolution**
1280x1024

**Aspect ratio**
5:4

**Panel pitch (mm)**
0.264mm

**Brightness**
96 dpi

**Contrast ratio**
250 nits or cd/m² (typical)

**Pixel response time**
1000:1 (typical)

**Pixel pitch (mm)**
5ms (typical)

**Color gamut**
72%

**Viewing angle at 10:1 CR**
170° (+/- 85°) horizontal, 160° (+/- 80°) vertical

**Stand**
Tilt height adjustable stand

**Bezel width**
Sides: 0.69" (17.5mm)

**Dimensions**
17.63" H x 14.74" W x 9.61" D;

**Max view area (W x H)**
447.9mm H x 374.5mm W x 244.2mm D

**Power supply**
14.0 watts typical, 18.0 watts maximum,
<0.5 watts standby/suspend, universal,
integrated (no external brick-like power supply)

**Weight**
8.71 lb; 3.95kg

**Limited warranty**
3 year (includes backlight)

**Available date**
September 2015

**VESA-compliant**
VESA DDC2B/C

**Power management**
ENERGY STAR® 7.0

**Ergonomics**
ISO 9241-307

**Emission standards**
FCC Class B

**Environmental**
TCO Displays 7.0, TCO Certified Edge 2.0, WEEE,
RoHS, EPEAT™ Gold rating

**Preset resolutions**
VGA: 640x350, 640x480, 720x400
SVGA: 800x600
XGA: 1024x768, 1152x864,
SXGA: 1280x800, 1280x1024

**Presets / user settings**
Standard presets: 22;
user settings: 22

**Viewing adjustments**
Tilt: 22° back, -5° forward; lift: 4.3" (110mm)

**Rotating screen**
None

**On screen display**
On screen display with digital user controls (8 languages)

**Control features**
Direct access (buttons on front) for automatic image setup and brightness

**Multiple input**
Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

**Monitor connectors**
(1) VGA 15-pin D-shell, analog, blue
(2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant
(3) DisplayPort, digital, black, HDCP-compliant

**Signal cables**
(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
(2) detachable, DVI-D at each end, digital, 1.8 meter

**Mounting features**
Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPM® (100mm mount)

**Security**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor and stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord

---

**Lenovo ThinkVision T1714p Monitor**

**Features**

- 17-inch Square LCD monitor
- Supports SXGA 1280x1024 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Mercury Arsenic free glass
- Supports Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Supports optional soundbar
- Microsoft Windows 8 certified
- Microsoft Windows 8.1 certified
- Microsoft Windows 10 certified

**Accessories**

- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620
- Lenovo Easy Reach Monitor Stand 55Y9258

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)

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**Limited Warranty**


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**Lenovo**

September 2015
**Lenovo ThinkVision T2054p Wide**

**Name**
T2054p Wide Flat Panel Monitor

**Bezel color**
Raven black

**Type-model**
60G1MAR2US / 60G1MAT2EU

**Panel**
TFT-LCD, In-Plane Switching (IPS), White LED backlight

**Viewable image size**
19.5" (495mm) diagonal

**Max view area (W x H)**
16.48" x 10.33" (418.6mm x 262.4mm)

**Native resolution**
1440x900

**Aspect ratio**
16:10

**Pixel pitch (mm)**
0.2915 x 0.2915 mm

**Brightness**
250 nits or cd/m² (typical)

**Contrast ratio**
1000:1 (typical)

**Pixel response time**
7ms (typical)

**Color gamut**
72%

**Viewing angle at 10:1**
178° (+/- 89°) horizontal, 178° (+/- 89°) vertical

**Stand**
Tilt, swivel, and height adjustable stand

**Bezel width**
Sides: 0.67" (17.0mm)

**Dimensions (HxWxD)**
13.62" H x 17.88" W x 9.55" D; 345.9mm H x 454.2mm W x 242.6mm D

**Power supply**
14.5 watts typical, 21 watts maximum, <0.3 watts standby/suspend, universal, integrated (no external brick-like power supply)

**Weight**
8.16 lb; 3.70 kg

**Limited warranty**
3 year (includes backlight)

**Available date**
September 2015

**VESA-compliant**
VESA DDC2B/Ci

**Power management**
ENERGY STAR® qualified

**Ergonomics**
ISO 9241-307

**Emission standards**
FCC Class B

**Environmental**
TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating

**Preset resolutions**
VGA: 640x480, 720x400, 720x576
SVGA: 800x600
XGA: 1024x768, 1152x864
SXGA: 1280x800, 1280x1024
WXGA: 1366x768
WXGA+: 1440x900

**Presets / user settings**
Standard presets: 22
user settings: 16

**Viewing adjustments**
Tilt: 22° backward, -5° forward; left: 4.3" (110mm); swivel: +/- 45°; detachable stand

**Rotating screen**
None

**On screen display**
On screen display with digital user controls (8 languages)

**Control features**
Direct access (buttons on front) for automatic image setup, dual input and brightness

**Multiple input**
Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

**Monitor connectors**
(1) VGA 15-pin D-shell, analog, blue
(2) HDMI (1.4), digital, HDCP-compliant
(3) DisplayPort, digital, black, HDCP-compliant

**Signal cables**
(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
(2) detachable, DisplayPort at each end, digital, 1.8 meter

**Mounting features**
Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

**Security**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord

**Limited Warranty**

**Accessories**
Kensington MicroSaver Cable Lock 73P2582
Kensington Twin Head Cable Lock 45K1620

See details at [www.lenovo.com/support/monitoraccessories](www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](www.lenovo.com/thinkvision)

Lenovo
November 2016
**Name**
E21 Wide Flat Panel Monitor

**Bezel color**
Black

**Type-model**
61B9JAR1US / 61B9JAT1EU

**Panel**
TFT-LCD, twisted nematic (TN), White LED backlight

**Viewable image size**
20.7” (525.78mm) diagonal

**Max view area (W x H)**
18.03” x 10.14” (457.92mm x 257.58mm)

**Native resolution**
1920x1080

**Aspect ratio**
16:9

**Pixel pitch (mm)**
0.2385 x 0.2385 mm

**Dot/Pixel per Inch**
106 dpi

**Brightness**
250 nits or cd/m² (typical)

**Contrast ratio**
1000:1 (typical)

**Pixel response time**
5ms (typical)

**Color gamut**
72%

**Viewing angle at 10:1 CR**
170° (+/- 85°) horizontal, 160° (+/- 80°) vertical

**Stand**
Tilt adjustable stand

**Bezel width**
Sides: 0.6” (15.3mm)

**Dimensions (HxWxD)**
14.6” H x 19.31” W x 204.9mm D

**Power supply**
18 watts typical, 23 watts maximum, <0.3 watts standby/suspend, universal, integrated (no external brick-like power supply)

**Weight**
5.82 lb; 2.64 kg

**Limited warranty**
3 year (includes backlight)

**Available date**
August 2017

**VESA-compliant**
VES Adj DDC2B/C

**Power management**
ENERGY STAR® qualified

**Ergonomics**
ISO 9241-307

**Emission standards**
FCC Class B

**Environmental**
TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating

**Preset resolutions**
- VGA: 640x350, 640x480, 720x400
- SVGA: 800x600, 832x624
- XGA: 1024x768, 1152x864
- SXGA: 1280x1024
- WXGA+: 1440x900
- WSXGA+: 1680x1050
- Full HD: 1920x1080

**Presets display modes**
Standard presets: 22

**Viewing adjustments**
Tilt: 22° back, -5° forward

**Rotating screen**
None

**Control features**
On screen display with digital user controls (8 languages)

**USB hub**
None

**Multiple input**
Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

**Monitor connectors**
- (1) VGA 15-pin D-shell, analog, blue
- (2) DisplayPort (1.2), digital, black, HDCP-compliant

**Signal cables**
- (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter

**Mounting features**
Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

**Security**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter black power cord

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### Accessories

- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)
**Lenovo ThinkVision E24**

**Product Specifications Reference (PSREF)**

<table>
<thead>
<tr>
<th><strong>Name</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>E24 Wide Flat Panel Monitor</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Bezel color</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Type-model</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>61B7JAR6US / 61B7JAT6EU</td>
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</table>

<table>
<thead>
<tr>
<th><strong>Panel</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>TFT-LCD, In-Plane Switching (IPS), White LED backlight</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Viewable image size</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>23.8” (604.7mm) diagonal</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>Max view area (W x H)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>20.75” x 11.67” (527.04mm x 296.46mm)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>Native resolution</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1920x1080</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Aspect ratio</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>16:9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Pixel pitch (mm)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2745 x 0.2745 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dot/Pixel per Inch</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>92.5 dpi</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Brightness</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>250 nits or cd/m² (typical)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Contrast ratio</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1000:1 (typical)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Pixel response time</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>6ms (typical)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Color gamut</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>72%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Viewing angle at 10:1 CR</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Stand</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tilt adjustable stand</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Bezel width</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sides: 0.51” (13mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dimensions (HxWxD)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>15.9” H x 21.81” W x 8.07” D; 403.8mm H x 554mm W x 204.9mm D</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Power supply</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>18 watts typical, 23 watts maximum, &lt;0.3 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Weight</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>8.2 lb; 3.7 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Limited warranty</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>3 year (includes backlight)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Available date</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>August 2017</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>VESA-compliant</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>VESA DDC2B/CI</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Power management</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENERGY STAR® qualified</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Emission standards</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 9241-307</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Environmental</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Preset resolutions</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>VGA: 640x350, 640x480, 720x400</td>
</tr>
</tbody>
</table>

| **SVGA**: 800x600, 832x624 |

| **XGA**: 1024x768, 1152x864 |

| **SXGA**: 1280x1024 |

| **WXGA**: 1366x768 |

| **WXGA+**: 1440x900, 1600x900 |

| **WSXGA+**: 1680x1050 |

| **Full HD**: 1920x1080 |

<table>
<thead>
<tr>
<th><strong>Presets display modes</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard presets: 24; user settings: 20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Viewing adjustments</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tilt: 22° back, -5° forward</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Rotating screen</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>On screen display</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>On screen display with digital user controls (8 languages)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Control features</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct access (buttons on front) for power, menu, input source select and brightness</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>USB hub</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Multiple input</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Monitor connectors</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) VGA 15-pin D-shell, analog, blue</td>
</tr>
</tbody>
</table>

| **(2) DisplayPort, digital, black, HDCP-compliant** |

<table>
<thead>
<tr>
<th><strong>Signal cables</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</td>
</tr>
</tbody>
</table>

| **(2) detachable, DisplayPort at each end, digital, 1.8 meter** |

<table>
<thead>
<tr>
<th><strong>Mounting features</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Security</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Security keyhole for attachment of optional cable lock (Kensington™ lock-compatible)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Ship group</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Limited Warranty</strong></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Accessories</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Kensington MicroSaver Cable Lock 73P2582</td>
</tr>
</tbody>
</table>

| Kensington Twin Head Cable Lock 45K1620 |

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)
### Lenovo ThinkVision LT2423 Wide

**Name**
- LT2423 Wide Flat Panel Monitor

**Case color**
- Business black

**Type-model**
- 60A8KAR2US / 60A8KAT2EU

**Panel**
- TFT-LCD, twisted nematic (TN), White LED backlight

**Viewable image size**
- 24” (610mm) diagonal

**Max view area (W x H)**
- 20.9” x 11.8” (531.4mm x 298.9mm)

**Optimum resolution**
- 1920x1080

**Max pixel rate**
- 205MHz

**Aspect ratio**
- 16:9

**Pixel pitch (mm)**
- 0.278mm

**Dot/Pixel per Inch**
- 92 dpi (typical)

**Brightness**
- 250 nits or cd/m² (typical)

**Contrast ratio**
- 1000:1 (typical)

**Max pixel response time**
- 5ms

**Color gamut**
- 72%

**Viewing angle at 10:1 CR**
- Horizontal: 170°, Vertical: 160°

**Stand**
- Tilt stand

**Bezel width**
- Sides: 0.67" (17.0mm); Top: 0.67" (17.0mm); Bottom: 1.02" (26.0mm)

**Dimensions**
- (HxWxD, excluding stand): 343.7mm H x 567.1mm W x 50.0mm D

**Dimensions**
- (HxWxD, including stand): 414.3mm H x 567.1mm W x 216.7mm D

**Power supply**
- 21 watts typical, 31 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)

**Weight**
- 8.30 lb; 3.76kg (includes backlight)

**Limited warranty**
- 3 year

**Available date**
- July 2013

**VESA-compliant**
- VESA DDC2B/CI

**Power management**
- ENERGY STAR® 6.0

**Ergonomics**
- ISO 9241-307

**Emission standards**
- MPR-2, FCC Class B

**Environmental**
- TCO Displays 6.0, TCO Certified Edge 1.2, WEEE, RoHS, EPEAT™ Gold rating, ULE Gold

**Preset resolutions**
- VGA: 640x350, 640x480, 720x400

**Multimedia**
- SVGA: 800x600, 832x624

**Multiple input**
- XGA: 1024x768, 1152x864

**Monitor connectors**
- SXGA: 1280x1024

**Signal cables**
- WXGA: 1366x768

**Mounting features**
- WXGA+: 1440x900, 1600x900

**Security**
- WSXGA+: 1680x1050

**Viewing adjustments**
- Full HD: 1920x1080

**Presets / user settings**
- Tilt: 22° back, -5° forward

**Viewing angles**
- Standard presets: 24; User settings: 20

**On screen display**
- Direct access (buttons on front) for automatic image setup, input switch, and brightness

**Integrated stereo speakers (3 watts x 2)**
- Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

**Detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter**
- (1) VGA 15-pin D-shell, analog, blue

**Digital, HDCP-compliant**
- (2) HDMI (1.4), digital

**Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPM™ (100mm mount)**
- (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter

**Detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter**
- Monitor, attached stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter black power cord

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**Features**
- Widescreen 24-inch monitor
- Supports 1920x1080 resolution
- Two 3W stereo speakers
- Audio in (3.5mm)
- Supports VGA and HDMI 1.4 interfaces
- Supports optional soundbar
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Microsoft® Windows® 8 certified
- Arsenic/Lead/Mercury free

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**Accessories**

<table>
<thead>
<tr>
<th>Product</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kensington MicroSaver Cable Lock</td>
<td>73P2582</td>
</tr>
<tr>
<td>Kensington Twin Head Cable Lock</td>
<td>45X1820</td>
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<tr>
<td>Lenovo Security Cable Lock</td>
<td>57Y4303</td>
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<tr>
<td>ThinkCentre Extend Arm</td>
<td>57Y4352</td>
</tr>
<tr>
<td>Lenovo Easy Reach Monitor Stand</td>
<td>55Y9258</td>
</tr>
</tbody>
</table>

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)
### Lenovo ThinkVision P24h

**Name**
P24h Wide Flat Panel Monitor

**Bezel color**
Black

**Type-model**
61AEGAR3US / 61AEGAT3EU

**Panel**
TFT-LCD, In-Plane Switching (IPS), White LED backlight

**Viewable image size**
23.8” (604.7mm) diagonal

**Max view area (W x H)**
20.74” x 11.67” (526.9mm x 296.4mm)

**Native resolution**
2560x1440

**Aspect ratio**
16:9

**Pixel pitch (mm)**
0.2058x0.2058 mm

**Dot/Pixel per Inch**
124 dpi

**Brightness**
300 nits or cd/m² (typical)

**Contrast ratio**
1000:1 (typical)

**Pixel response time**
4ms (extreme) / 6ms (typical)

**Color gamut**
99% sRGB

**Viewing angle at 10:1 CR**
178° (+/- 89°) horizontal, 178° (+/- 89°) vertical

**Stand**
Tilt, swivel, pivot, and height adjustable stand

**Bezel width**
Sides: 0.08” (2.0mm)

**Dimensions (HxWxD)**
14.7” H x 21.26” W x 10.3” D; 373.4mm H x 540.2mm W x 261.75mm D

**Power supply**
24 watts typical, 120 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)

**Weight**
12.54 lb; 5.69 kg

**Limited warranty**
3 year (includes backlight)

**Available date**
April 2017

**VESA-compliant**
VEDA DDC2B/Ci

**Power management**
ENERGY STAR® qualified

**Ergonomics**
ISO 9241-307

**Emission standards**
FCC Class B

**Environmental**
TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT® Gold rating

**Preset resolutions**
- VGA: 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768
- SXGA: 1280x1024
- WXGA: 1366x768
- WXGA+: 1440x900, 1680x900
- WSXGA+: 1800x1050
- Full HD: 1920x1080, 1920x1200
- QHD: 2560x1440

**Preset display modes**
HDMI: 22; DP: 14

**Viewing adjustments**
Tilt: 30° back, -5° forward; lift: 4.3” (110mm); swivel: +/- 45°; detachable stand

**Rotating screen**
Screen pivots 90 degrees from landscape to portrait

**On screen display**
On screen display with digital user controls (8 languages)

**Control features**
Direct access (buttons on front) for power, menu, input source select and brightness

**USB hub**
USB Hub: one USB 3.1 Type-C upstream port, four USB 3.0 Type-A downstream ports

**Multimedia**
Audio-out, optional sound bar supported

**Camera**
None

**Multiple input**
Support HDMI, DisplayPort, USB 3.1 Type-C, DisplayPort-out

**Monitor connectors**
1) 2*HDMI (1.4), digital, HDCP-compliant
2) DisplayPort (1.2), digital, HDCP-compliant
3) DisplayPort-out, digital
4) USB 3.1 Type-C

**Signal cables**
1) USB 3.1 Type-C cable, 1.8 meter

**Mounting features**
Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

**Security**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor with stand, Safety and Warranty Information, 1.8 meter USB 3.1 Type-C cable, 1.8 meter black power cord

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### Limited Warranty


### Accessories

- Kensington MicroSaver Cable Lock 73P2682
- Kensington Twin Head Cable Lock 45K1620

See details at [www.lenovo.com/support/monitoraccessories](www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](www.lenovo.com/thinkvision)

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Lenovo
July 2017
### Lenovo ThinkVision P24q

#### Name
P24q Wide Flat Panel Monitor

#### Case color
Black

#### Type-model
61A5GAR3US / 61A5GAT3EU

#### Panel
TFT-LCD, IPS (In-Plane Switching), White LED backlight

#### Viewable image size
23.8" (604.5mm) diagonal

#### Max view area (W x H)
20.74" x 11.67" (526.85mm x 296.35mm)

#### Optimum resolution
2560x1440

#### Max pixel rate
300MHz

#### Aspect ratio
16:9

#### Pixel pitch (mm)
0.2058 x 0.2058mm

#### Dot/Pixel per Inch
123 dpi

#### Brightness
300 nits or cd/m² (typical)

#### Contrast ratio
1000:1 (typical)

#### Pixel response time
4ms

#### Color gamut
99% sRGB

#### Viewing angle at 10:1 CR
178° horizontal, 178° vertical

#### Stand
Tilt, swivel, pivot, and height adjustable stand

#### Bezel width
Sides: 0.08" (2mm)

#### Dimensions
(Height x Width x Depth, including stand)
373.4mm H x 540.2mm W x 261.75mm D

#### Power supply
24 watts typical, 67 watts maximum (with USB), 0.5 watts switch off, integrated (no external brick-like power supply)

#### Weight
12.35 lb; 5.6kg (including stand)

#### Limited warranty
3 year

#### Available date
January 2017

#### VESA-compliant
VESA DDC2B/C

#### Power management
ENERGY STAR® 7.0

#### Ergonomics
ISO 9241-307

#### Emission standards
FCC Class B

#### Environmental
TCO Displays 7.0, RoHS, EPEAT™ Gold rating, ULE Gold

#### Preset resolutions
- VGA: 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768
- SXGA: 1280x1024
- WXGA: 1366x768
- WXGA+: 1440x900, 1600x900
- WSXGA+: 1680x1050
- Full HD: 1920x1080, 1920x1200
- QHD: 2560x1440

#### Presets / user settings
Standard presets: 20; user settings: 24

#### Viewing adjustments
- Tilt: 30° back, -5° forward; lift: 4.33° (110mm); swivel: +/-45°

#### Rotating screen
Screen pivots 90 degrees from landscape to portrait

#### On screen display
On screen display with digital user controls (8 languages)

#### Control features
Direct access for menu, source switch, and brightness

#### USB hub
USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports

#### Multimedia
Audio-out, optional sound bar supported

#### Camera
None

#### Multiple input
Support HDMI, DisplayPort, mini DisplayPort, DisplayPort-out

#### Monitor connectors
(1) 2*HDMI (1.4), digital, HDCP-compliant
(2) DisplayPort (1.2), digital, HDCP-compliant
(3) Mini DisplayPort, digital, HDCP-compliant

#### Signal cables
(1) detachable, mini DisplayPort to DisplayPort, digital, 1.8 meter

#### Mounting features
Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)

#### Security
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

#### Ship group
Monitor, detachable stand, Quick start and safety poster, 1.8 meter USB 3.0 cable, 1.8 meter mini DP to DP cable, 1.8 meter black power cord

#### Limited Warranty

#### Accessories
Kensington MicroSaver Cable Lock 73P2582
Kensington Twin Head Cable Lock 45K1620
Lenovo Security Cable Lock 57Y4303

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)
### Display

- **Panel Size**: 21.5 inch
- **Screen Dimensions (H x V) (mm)**: 476.06 (H) × 267.79 (V)
- **Panel Type**: VA
- **Backlight**: WLED
- **Aspect Ratio**: 16:9
- **Resolution**: 1920 x 1080
- **Pixel Pitch (H x V) (mm)**: 0.2480 × 0.2480
- **Viewing Angle (H x V)**: 178°/178°
- **Response Time (gray to gray)**: 4 ms (extreme mode), 6 ms (normal mode)
- **Contrast Ratio (typical)**: 3000:1
- **Dynamic Contrast Ratio (typical)**: 3M:1
- **Color Gamut NTSC (CIE 1931)**: 72%
- **Color Support (typical)**: 16.7M

### Connectivity

- **Video Input Signals**: VGA + HDMI1.4
- **Video Cable Length**: 1.8 m
- **Audio Out**: Yes (3.5 mm)

### SPECIAL FEATURES

- **Anti-Glare**: Yes
- **Thin Client Support (Tiny)**: Yes (by VESA mount PN:4XF0N03161)

### Mechanical

- **Tilt Angle (front / back)**: -5°/22°
- **VESA Mount**: Yes (100 mm)
- **Kensington™ Lock Slot**: Yes
- **Cable Management**: Yes
- **Bezel Color**: Raven Black
- **Bezel Width (side)**: 2.0 mm
- **Bezel Width (top / bottom)**: 2.0 mm / 21.2 mm

### Dimensions

- **Size Packed (D x H x W) (mm/inch)**: 120 x 350 x 582 mm / 4.7 x 13.7 x 22.9 inch
- **Size Unpacked w/stand (D x H x W) (mm/inch)**:
  - (Lowest Position): 200.0 x 373.8 x 489.3 mm / 7.87 x 14.71 x 19.26 inch
  - (Highest Position): 200.0 x 373.8 x 489.3 mm / 7.87 x 14.71 x 19.26 inch
- **Size Unpacked w/o stand (D x H x W) (mm/inch)**:
  - (Head Only): 41.5 x 296.8 x 489.3 mm / 1.63 x 11.68 x 19.26 inch
- **Weight Packed (kg/lbs.)**: 4.07 kg / 8.97 lbs.
- **Weight Unpacked (kg/lbs.)**: 2.75 kg / 6.06 lbs.
- **Weight (Monitor Head Only) (kg/lbs.)**: 2.46 kg / 5.42 lbs.

### What’s in the Box

- Monitor with stand
- 1 x HDMI Cable
- 1 x Power Cable
- Quick setup guide

### Certifications

- **ENERGY STAR Rating**: 7.0
- **CCC**: Yes
- **TCO**: TCO 7.0/TCO Edge 2.0
- **EPEAT™**: Gold
- **RoHS**: Yes
- **Windows Certification**: Windows 7, Windows 10
- **China Energy Efficiency Standard**: Tier 2
- **Ambient Operating Temperature**: 0°C to 40°C
- **Low Blue Light**: Yes

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Specifications may vary depending upon region.
# ThinkVision® S24e-10

## DISPLAY
- **Panel Size**: 23.8”
- **Screen Dimensions (H x V) (mm)**: 527.04 (H) × 296.46 (V)
- **Panel Type**: VA
- **Backlight**: WLED
- **Aspect Ratio**: 16:9
- **Resolution**: 1920 × 1080
- **Pixel Pitch (H x V) (mm)**: 0.2745 × 0.2745
- **Viewing Angle (H x V)**: 178°/178°
- **Response Time (gray to gray)**: 4 ms (extreme mode)
- **Contrast Ratio (typical)**: 3000:1
- **Color Gamut NTSC (CIE 1931)**: 72%
- **Color Support**: 16.7M

## CONNECTIVITY
- **Video Input Signals**: VGA + HDMI 1.4
- **Video Cable Length**: 1.8 m
- **Audio Out**: Yes (3.5 mm)

## MULTI-MEDIA
- **Optional Soundbar Support**: Yes

## DIMENSIONS
- **Size Packed (D x H x W) (mm/inch)**: 122 x 405 x 639 mm / 4.80 x 15.94 x 25.16 inch
- **Size Unpacked w/stand (D x H x W) (mm/inch) (Lowest Position)**: 200.0 x 402.7 x 539.5 mm / 7.87 x 15.85 x 21.24 inch
- **Size Unpacked w/stand (D x H x W) (mm/inch) (Highest Position)**: 200.0 x 402.7 x 539.5 mm / 7.87 x 15.85 x 21.24 inch
- **Size Unpacked w/o stand (D x H x W) (mm/inch) (Head Only)**: 41.5 x 325.7 x 539.5 mm / 1.63 x 12.82 x 21.24 inch
- **Weight Packed (kg/lbs.)**: 4.84kg / 10.67 lbs.
- **Weight Unpacked (kg/lbs.)**: 3.36kg / 7.41 lbs.
- **Weight (Monitor Head Only) (kg/lbs.)**: 3.07kg / 6.77 lbs.

## SPECIAL FEATURES
- **Anti-Glare**: Yes
- **Thin Client Support (Tiny)**: Yes (by VESA mount PN:4XF0N03161)

## MECHANICAL
- **Tilt Angle (front/back)**: -5º / 22º
- **VESA Mount**: Yes (100 mm)
- **Kensington™ Lock Slot**: Yes
- **Cable Management**: Yes
- **Bezel Color**: Raven Black
- **Bezel Width (Side)**: 2.0 mm
- **Bezel Width (top / bottom)**: 2.0 mm / 22 mm

## WHAT’S IN THE BOX
- Monitor with stand
- 1 x HDMI Cable
- 1 x Power Cable
- Quick setup guide

## CERTIFICATIONS
- **ENERGY STAR Rating**: 7.0
- **CCC**: Yes
- **EPEAT™**: Gold
- **ULE**: Gold
- **RoHS**: Yes
- **Windows Certification**: Windows 7, Windows 10
- **China Energy Efficiency Standard**: Tier 2
- **Ambient Operating Temperature**: 0 to 40°C
- **Low Blue Light**: Yes

Specifications may vary depending upon region.

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Lenovo ThinkVision T2220 VA

Product Specifications Reference (PSREF)

Name: T2220 VA Wide Flat Panel Monitor
Bezel color: Raven black
Type-model: 61A3HAR1EU
Panel: TFT-LCD, with wide viewing angle (WVA) technology, White LED backlight

Viewable image size: 21.5" (546mm) diagonal
Max view area (W x H): 18.74" x 10.54" (476.1mm x 267.8mm)
Native resolution: 1920x1080
Aspect ratio: 16:9
Pixel pitch (mm): 0.248 x 0.248 mm
Dot/Pixel per inch: 102 dpi
Brightness: 250 nits or cd/m² (typical)
Contrast ratio: 3000:1 (typical)
Pixel response time: 8ms (typical)
Color gamut: 72%
Viewing angle at 10:1 CR: 178° (+/− 89°) horizontal, 168° (+/− 84°) vertical

Stand: Tilt, and height adjustable stand
Bezel width: Sides: 0.68" (17.3mm)
Dimensions (HxWxD): 14.03" H x 20.18" W x 6.98" D; 356.3mm H x 512.6mm W x 177.2mm D

Power supply: 21.5 watts typical, 27 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight: 9.92 lb; 4.50 kg
Limited warranty: 3 year (includes backlight)
Available date: March 2014

Power management: ENERGY STAR® qualified
Ergonomics: ISO 9241-307
Emission standards: FCC Class B, TCO Displays 6.0, TCO Certified Edge 1.2, WEEE, RoHS, EPEAT® Gold rating

Preset resolutions:
- VGA: 640x350, 640x480, 720x400
- SVGA: 800x600, 832x624
- XGA: 1024x768, 1152x864
- SXGA: 1280x1024
- WXGA+: 1440x900
- WSXGA+: 1680x1050
- Full HD: 1920x1080

Presets / user settings: Standard presets: 26; user settings: 26

Viewing adjustments:
- Tilt: 22° back, -5° forward; lift: 4.3" (110mm)

Rotating screen: No
On screen display: On screen display with digital user controls (8 languages)
Control features: Direct access (buttons on front) for automatic image setup, dual input and brightness
USB hub: None
Multiple input:
- Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
- Monitor connectors:
  1. VGA 15-pin D-shell, analog, blue
  2. Digital Visual Interface (DVI-D), digital, white, HDCP-compliant

Signal cables:
- (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
- (2) detachable, DVI-D at each end, digital, 1.8 meter

Mounting features: Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
Security: Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group: Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord

Limited Warranty:

Features:
- Widescreen 21.5-inch monitor
- Supports 1920x1080 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Supports optional soundbar
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

Accessories:
Kensington MicroSaver Cable Lock 73P2582
Kensington Twin Head Cable Lock 45K1620

See details at www.lenovo.com/support/monitoraccessories
See all monitors at www.lenovo.com/ThinkVision

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(T2220va) May 2015
### Lenovo ThinkVision T2224d Wide

**Product Specifications Reference (PSREF)**

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<tr>
<th>Name</th>
<th>T2224d Wide Flat Panel Monitor</th>
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<tbody>
<tr>
<td>Bezel color</td>
<td>Black</td>
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<tr>
<td>Type-model</td>
<td>61B1JR1US / 61B1JAT1EU</td>
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<tr>
<td>Panel</td>
<td>TFT-LCD, In-Plane Switching (IPS), White LED backlight</td>
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<tr>
<td>Viewable image size</td>
<td>21.5” (546mm) diagonal</td>
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<tr>
<td>Max view area (W x H)</td>
<td>18.74” x 10.54” (476.1mm x 267.8mm)</td>
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<tr>
<td>Native resolution</td>
<td>1920x1080</td>
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<tr>
<td>Aspect ratio</td>
<td>16:9</td>
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<tr>
<td>Pixel pitch (mm)</td>
<td>0.248 x 0.248 mm</td>
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<td>Dot/Pixel per Inch</td>
<td>102 dpi</td>
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<td>Brightness</td>
<td>250 nits or cd/m² (typical)</td>
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<td>Contrast ratio</td>
<td>1000:1 (typical)</td>
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<td>Pixel response time</td>
<td>7ms (typical); 4ms (extreme mode)</td>
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<td>Color gamut</td>
<td>72%</td>
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<tr>
<td>Viewing angle at 10:1 CR</td>
<td>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</td>
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<tr>
<td>Stand</td>
<td>Tilt stand</td>
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<tr>
<td>Bezel width</td>
<td>Sides: 0.69” (17.6mm)</td>
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<tr>
<td>Dimensions (HxWxD)</td>
<td>15.02” H x 20.19” W x 8.06” D; 381.4mm H x 512.9mm W x 204.9mm D</td>
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<td>Power supply</td>
<td>20 watts typical, 25 watts maximum</td>
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<tr>
<td>Weight</td>
<td>6.48 lb; 2.94 kg</td>
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<td>Limited warranty</td>
<td>3 year (includes backlight)</td>
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<tr>
<td>Available date</td>
<td>March 2017</td>
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</table>

**Features**

- Widescreen 21.5-inch monitor
- Supports 1920x1080 resolution
- Supports optional soundbar
- Supports ThinkCentre Tiny via VESA back mount
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

**VESA-compliant**

- VESA DDC2B/C1

**Power management**

- ENERGY STAR® qualified

**Ergonomics**

- ISO 9241-307

**Emission standards**

- FCC Class B

**Environmental**

- TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating

**Preset resolutions**

- VGA: 640x350, 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768, 1152x864
- SXGA: 1280x1024
- WXGA: 1280x768, 1280x800, 1366x768
- WXGA+: 1440x900
- WSXGA+: 1680x1050
- Full HD: 1920x1080

**Presets / user settings**

- Standard presets: 22; user settings: 22

**Viewing adjustments**

- Tilt: 22° back, -5° forward

**Rotating screen**

- None

**On screen display**

- On screen display with digital user controls (8 languages)

**Control features**

- Direct access (buttons on front) for automatic image setup, dual input and brightness

**USB hub**

- None

**Multiple input**

- Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

**Monitor connectors**

- (1) VGA 15-pin D-shell, analog, blue
- (2) DisplayPort, digital, black, HDCP-compliant

**Signal cables**

- (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
- (2) detachable, DisplayPort at each end, digital, 1.8 meter

**Mounting features**

- Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

**Security**

- Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**

- Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord

---

### Limited Warranty


### Accessories

- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)

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Lenovo
March 2017
# Lenovo ThinkVision T2224z Wide

**Product Specifications Reference (PSREF)**

## Name
ThinkVision T2224z Wide Flat Panel Monitor

## Features
- Widescreen 21.5-inch monitor
- Supports 1920x1080 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified

## Accessories
- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620

## Limited Warranty
See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

## See all monitors at
[www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)

---

## Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name</strong></td>
<td>T2224z Wide Flat Panel Monitor</td>
</tr>
<tr>
<td><strong>Bezel color</strong></td>
<td>Raven black</td>
</tr>
<tr>
<td><strong>Type-model</strong></td>
<td>60F5MAR6US / 60F5MAT6EU</td>
</tr>
<tr>
<td><strong>Panel</strong></td>
<td>TFT-LCD, In-Plane Switching (IPS), White LED backlight</td>
</tr>
<tr>
<td><strong>Viewable image size</strong></td>
<td>21.5” (546mm) diagonal</td>
</tr>
<tr>
<td><strong>Max view area (W x H)</strong></td>
<td>18.74” x 10.54” (476.1mm x 267.8mm)</td>
</tr>
<tr>
<td><strong>Native resolution</strong></td>
<td>1920x1080</td>
</tr>
<tr>
<td><strong>Aspect ratio</strong></td>
<td>16:9</td>
</tr>
<tr>
<td><strong>Pixel pitch (mm)</strong></td>
<td>0.248 x 0.248 mm</td>
</tr>
<tr>
<td><strong>Dot/Pixel per Inch</strong></td>
<td>102 dpi</td>
</tr>
<tr>
<td><strong>Brightness</strong></td>
<td>250 nits or cd/m² (typical)</td>
</tr>
<tr>
<td><strong>Contrast ratio</strong></td>
<td>1000:1 (typical)</td>
</tr>
<tr>
<td><strong>Pixel response time</strong></td>
<td>7ms (typical)</td>
</tr>
<tr>
<td><strong>Color gamut</strong></td>
<td>72%</td>
</tr>
<tr>
<td><strong>Viewing angle at 10:1 CR</strong></td>
<td>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</td>
</tr>
<tr>
<td><strong>Bezel width</strong></td>
<td>Tilt, swivel, pivot, and height adjustable stand</td>
</tr>
<tr>
<td><strong>Dimensions (HxWxD)</strong></td>
<td>14.08” H x 20.19” W x 9.55” D; 357.8mm H x 512.9mm W x 242.7mm D</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>21 watts typical</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>10.63 lb; 4.83 kg</td>
</tr>
<tr>
<td><strong>Limited warranty</strong></td>
<td>3 year (includes backlight)</td>
</tr>
<tr>
<td><strong>Available date</strong></td>
<td>March 2015</td>
</tr>
<tr>
<td><strong>VESA-compliant</strong></td>
<td>VESA DDC2B/CI</td>
</tr>
<tr>
<td><strong>Power management</strong></td>
<td>ENERGY STAR® qualified</td>
</tr>
<tr>
<td><strong>Ergonomics</strong></td>
<td>ISO 9241-307</td>
</tr>
<tr>
<td><strong>Emission standards</strong></td>
<td>FCC Class B</td>
</tr>
<tr>
<td><strong>Environmental</strong></td>
<td>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating</td>
</tr>
<tr>
<td><strong>Presets / user settings</strong></td>
<td>Standard presets: 27; user settings: 20</td>
</tr>
<tr>
<td><strong>Viewing adjustments</strong></td>
<td>Tilt: 30° back, -5° forward; lift: 4.3° (110mm); swivel: +/-45°; detachable stand</td>
</tr>
<tr>
<td><strong>Rotating screen</strong></td>
<td>Screen pivots 90 degrees from landscape to portrait</td>
</tr>
<tr>
<td><strong>On screen display</strong></td>
<td>On screen display with digital user controls (8 languages)</td>
</tr>
<tr>
<td><strong>Control features</strong></td>
<td>Direct access (buttons on front) for automatic image setup, dual input and brightness</td>
</tr>
<tr>
<td><strong>USB hub</strong></td>
<td>USB 3.0 Hub: 1 port into PC (USB 3.0); 2 ports for accessories (2 USB 3.0)</td>
</tr>
<tr>
<td><strong>Multimedia</strong></td>
<td>Integrated digital speakers (3 watts x 2)</td>
</tr>
<tr>
<td><strong>Camera</strong></td>
<td>Integrated camera (Full HD) and digital dual array microphone</td>
</tr>
<tr>
<td><strong>Multiple input</strong></td>
<td>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</td>
</tr>
<tr>
<td><strong>Monitor connectors</strong></td>
<td>(1) VGA 15-pin D-shell, analog, blue</td>
</tr>
<tr>
<td><strong>Signal cables</strong></td>
<td>(2) HDMI (1.4), digital, HDCP-compliant</td>
</tr>
<tr>
<td><strong>Mounting features</strong></td>
<td>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</td>
</tr>
<tr>
<td><strong>Ship group</strong></td>
<td>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord</td>
</tr>
</tbody>
</table>

## See details at

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![ThinkVision T2224z Wide Monitor](image-url)

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**Lenovo**

November 2016
<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>ThinkVision T2254 Wide Flat Panel Monitor</td>
</tr>
<tr>
<td>Bezel color</td>
<td>Raven black</td>
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<tr>
<td>Type-model</td>
<td>60F6HAR1EU</td>
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<tr>
<td>Panel</td>
<td>TFT-LCD, twisted nematic (TN), White LED backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>22.0” (559mm) diagonal</td>
</tr>
<tr>
<td>Max view area (W x H)</td>
<td>18.70” x 11.70” (473.8mm x 296.1mm)</td>
</tr>
<tr>
<td>Native resolution</td>
<td>1680x1050</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:10</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>0.282 x 0.282 mm</td>
</tr>
<tr>
<td>Brightness</td>
<td>250 nits or cd/m² (typical)</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>1000:1 (typical)</td>
</tr>
<tr>
<td>Pixel response time</td>
<td>5ms (typical)</td>
</tr>
<tr>
<td>Color gamut</td>
<td>72%</td>
</tr>
<tr>
<td>Viewing angle at 10:1 CR</td>
<td>170° (+/- 85°) horizontal, 160° (+/- 80°) vertical</td>
</tr>
<tr>
<td>Stand</td>
<td>Tilt and height adjustable stand</td>
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<tr>
<td>Bezel width</td>
<td>Sides: 0.67” (17mm)</td>
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<tr>
<td>Dimensions (HxWxD)</td>
<td>14.97” H x 20.05” W x 9.61” D; 380.2mm H x 509.3mm W x 244.2mm D</td>
</tr>
<tr>
<td>Power supply</td>
<td>16 watts typical, 22 watts maximum, &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
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<tr>
<td>Weight</td>
<td>10.38 lb; 4.71 kg</td>
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<tr>
<td>Limited warranty</td>
<td>3 year (includes backlight)</td>
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<tr>
<td>Available date</td>
<td>March 2015</td>
</tr>
<tr>
<td>VESA-compliant</td>
<td>VESA DDC2B/CI</td>
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<tr>
<td>Power management</td>
<td>ENERGY STAR® qualified</td>
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<tr>
<td>Ergonomics</td>
<td>ISO 9241-307</td>
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<tr>
<td>Emission standards</td>
<td>None</td>
</tr>
<tr>
<td>Environmental</td>
<td>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT® Gold rating</td>
</tr>
<tr>
<td>Preset resolutions</td>
<td>VGA: 640x350, 640x480, 720x400</td>
</tr>
<tr>
<td></td>
<td>SVGA: 800x600</td>
</tr>
<tr>
<td></td>
<td>XGA: 1024x768, 1152x864</td>
</tr>
<tr>
<td></td>
<td>SXGA: 1280x1024</td>
</tr>
<tr>
<td></td>
<td>WXGA: 1280x768, 1280x800, 1366x768</td>
</tr>
<tr>
<td></td>
<td>WXGA+: 1440x900</td>
</tr>
<tr>
<td></td>
<td>WSXGA+: 1600x900, 1680x1050</td>
</tr>
<tr>
<td>Presets / user settings</td>
<td>Standard presets: 26; user settings: 20</td>
</tr>
<tr>
<td>Viewing adjustments</td>
<td>Tilt: 30° back, -5° forward; lift: 4.3° (110mm)</td>
</tr>
<tr>
<td>Rotating screen</td>
<td>None</td>
</tr>
<tr>
<td>On screen display</td>
<td>On screen display with digital user controls (8 languages)</td>
</tr>
<tr>
<td>Control features</td>
<td>Direct access (buttons on front) for automatic image setup, dual input and brightness</td>
</tr>
<tr>
<td>USB hub</td>
<td>None</td>
</tr>
<tr>
<td>Multiple input</td>
<td>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</td>
</tr>
<tr>
<td>Monitor connectors</td>
<td>(1) VGA 15-pin D-shell, analog, blue</td>
</tr>
<tr>
<td></td>
<td>(2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant</td>
</tr>
<tr>
<td>Signal cables</td>
<td>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter</td>
</tr>
<tr>
<td></td>
<td>(2) detachable, DVI-D at each end, digital, 1.8 meter</td>
</tr>
<tr>
<td>Mounting features</td>
<td>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</td>
</tr>
<tr>
<td>Security</td>
<td>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</td>
</tr>
<tr>
<td>Ship group</td>
<td>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord</td>
</tr>
<tr>
<td>Accessories</td>
<td>Kensington MicroSaver Cable Lock 73P2582</td>
</tr>
<tr>
<td></td>
<td>Kensington Twin Head Cable Lock 45K1620</td>
</tr>
<tr>
<td></td>
<td>See details at <a href="www.lenovo.com/support/monitoraccessories">www.lenovo.com/support/monitoraccessories</a></td>
</tr>
<tr>
<td></td>
<td>See all monitors at <a href="www.lenovo.com/thinkvision">www.lenovo.com/thinkvision</a></td>
</tr>
</tbody>
</table>
# Lenovo ThinkVision T2254p Wide Monitor

## Specifications

<table>
<thead>
<tr>
<th>Name</th>
<th>T2254p Wide Flat Panel Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bezel color</td>
<td>Raven black</td>
</tr>
<tr>
<td>Type-model</td>
<td>61BAMAR2US / 60E1MAR2US / 60CCMAR2US / 60CCMAT2EU / 61BAMAT2EU</td>
</tr>
<tr>
<td>Panel</td>
<td>TFT-LCD, twisted nematic (TN), White LED backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>22.0&quot; (559mm) diagonal</td>
</tr>
<tr>
<td>Max view area (W x H)</td>
<td>18.70&quot; x 11.70&quot; (473.8mm x 296.1mm)</td>
</tr>
<tr>
<td>Native resolution</td>
<td>1680x1050</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:10</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>0.282 x 0.282 mm</td>
</tr>
<tr>
<td>Brightness</td>
<td>250 nits or cd/m² (typical)</td>
</tr>
<tr>
<td>Pixel response time</td>
<td>5ms (typical)</td>
</tr>
<tr>
<td>Color gamut</td>
<td>72%</td>
</tr>
<tr>
<td>Viewing angle at 10:1 CR</td>
<td>170° (+/- 85°) horizontal, 160° (+/- 80°) vertical</td>
</tr>
<tr>
<td>Bezel width</td>
<td>Sides: 0.67&quot; (17.1mm)</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>14.63&quot; H x 20.01&quot; W x 9.55&quot; D; 371.7mm H x 509.3mm W x 242.7mm D</td>
</tr>
<tr>
<td>Power supply</td>
<td>20 watts typical, 25 watts maximum, &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td>Weight</td>
<td>10.14 lb; 4.60 kg</td>
</tr>
<tr>
<td>Limited warranty</td>
<td>3 year (includes backlight)</td>
</tr>
<tr>
<td>Available date</td>
<td>March 2015</td>
</tr>
<tr>
<td>VESA-compliant</td>
<td>VESA DDC2B/CI</td>
</tr>
<tr>
<td>Power management</td>
<td>ENERGY STAR® qualified</td>
</tr>
<tr>
<td>Emission standards</td>
<td>FCC Class B</td>
</tr>
<tr>
<td>Environmental</td>
<td>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating</td>
</tr>
<tr>
<td>Preset resolutions</td>
<td>VGA: 640x350, 640x480, 720x400</td>
</tr>
<tr>
<td>SVGA: 800x600</td>
<td></td>
</tr>
<tr>
<td>XGA: 1024x768, 1152x864</td>
<td></td>
</tr>
<tr>
<td>SXGA: 1280x1024</td>
<td></td>
</tr>
<tr>
<td>WXGA: 1280x768, 1280x800, 1366x768</td>
<td></td>
</tr>
<tr>
<td>WXGA+: 1440x900</td>
<td></td>
</tr>
<tr>
<td>WSXGA+: 1600x900, 1680x1050</td>
<td></td>
</tr>
<tr>
<td>Presets / user settings</td>
<td>Standard presets: 28; user settings: 20</td>
</tr>
</tbody>
</table>

## Viewing adjustments

- **Tilt:** 30° back, -5° forward; **lift:** 4.3" (110mm); **swivel:** +/− 85°; detachable stand
- **Screen pivot:** 90 degrees from landscape to portrait
- **On screen display:** On screen display with digital user controls (8 languages) and direct access (buttons on front) for automatic image setup, dual input and brightness
- **USB hub:** None
- **Multiple input:** Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
- **Monitor connectors:**
  - (1) VGA 15-pin D-shell, analog, blue
  - (2) HDMI (1.4), digital, HDCP-compliant
  - (3) DisplayPort, digital, black, HDCP-compliant
- **Signal cables:**
  - (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
  - (2) detachable, DisplayPort at each end, digital, 1.8 meter
- **Mounting features:**
  - Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount
  - Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

### Limited Warranty


### Accessories

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kensington MicroSaver Cable Lock</td>
<td>73P2582</td>
</tr>
<tr>
<td>Kensington Twin Head Cable Lock</td>
<td>45K1620</td>
</tr>
</tbody>
</table>

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)

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Lenovo
November 2016
Lenovo ThinkVision T22i

**Name**
T22i Wide Flat Panel Monitor

**Bezel color**
Black

**Type-model**
61A9MAR1US / 61A9MAT1EU

**Panel**
TFT-LCD, In-Plane Switching (IPS), White LED backlight

**Viewable image size**
21.5" (546mm) diagonal

**Max view area (W x H)**
18.74" x 10.54" (476.1mm x 267.8mm)

**Native resolution**
1920x1080

**Aspect ratio**
16:9

**Pixel pitch (mm)**
0.248 x 0.248 mm

**Dot/Pixel per Inch**
102 dpi

**Brightness**
250 nits or cd/m² (typical)

**Contrast ratio**
1000:1 (typical)

**Pixel response time**
6ms (typical); 4ms (extreme mode)

**Color gamut**
72%

**Viewing angle at 10:1 CR**
178° (±89°) horizontal, 178° (±89°) vertical

**Stand**
Tilt, swivel, pivot, and height adjustable stand

**Bezel width**
Sides: 0.08" (2.0mm)

**Dimensions (HxWxD)**
14.08" H x 19.28" W x 9.92" D; 357.6mm H x 489.7mm W x 251.9mm D

**Power supply**
16.5 watts typical, 55 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)

**Weight**
10.85 lb; 4.92 kg

**Limited warranty**
3 year (includes backlight)

**Available date**
April 2017

**VESA-compliant**
VESADDC2B/CI

**Power management**
ENERGY STAR® qualified

**Ergonomics**
ISO 9241-307

**Environmental**
TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT® Gold rating

**Preset resolutions**
VGA: 640x350, 640x480, 720x400
SVGA: 800x600
XGA: 1024x768, 1152x864
SXGA: 1280x1024
WXGA: 1280x768, 1366x768
WXGA+: 1440x900, 1680x900
WXSWGA+: 1680x1050
Full HD: 1920x1080

**Presets display modes**
HDMI: 17; DP: 17

**Viewing adjustments**
Tilt: 30° back, -5° forward; lift: 4.3° (110mm); swivel: ±45°; detachable stand

**Rotating screen**
Screen pivots 90 degrees from landscape to portrait

**On screen display**
On screen display with digital user controls (8 languages)

**USB hub**
USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)

**Multiple input**
Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

**Monitor connectors**
(1) VGA 15-pin D-shell, analog, blue
(2) HDMI (1.4), digital, HDCP-compliant
(3) DisplayPort, digital, black, HDCP-compliant

**Signal cables**
(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
(2) detachable, DisplayPort at each end, digital, 1.8 meter

**Mounting features**
Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

**Security**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord

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**Features**
- Widescreen 21.5-inch monitor
- Supports 1920x1080 resolution
- Supports optional soundbar
- Supports ThinkCentre Tiny via VESA back mount
- Includes dual input connection for attachment to two systems concurrently
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

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**Accessories**
- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620

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**Limited Warranty**

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**See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)**
**Lenovo ThinkVision T22v**

**Features**
- Widescreen 21.5-inch monitor
- Supports 1920x1080 resolution
- Supports optional soundbar
- Supports ThinkCentre Tiny via VESA back mount
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

**Specifications**

**Name**
T22v Wide Flat Panel Monitor

**Bezel color**
Black

**Type-model**
61BBMAR6US / 61BBMAT6EU

**Panel**
TFT-LCD, In-Plane Switching (IPS), White LED backlight

**Viewable image size**
21.5" (546mm) diagonal

**Max view area (W x H)**
18.74" x 10.54" (476.1mm x 267.8mm)

**Native resolution**
1920x1080

**Aspect ratio**
16:9

**Pixel pitch (mm)**
0.248 x 0.248 mm

**Dot/Pixel per Inch**
102 dpi

**Brightness**
250 nits or cd/m² (typical)

**Contrast ratio**
1000:1 (typical)

**Pixel response time**
6ms (typical); 4ms (extreme mode)

**Color gamut**
72%

**Viewing angle at 10:1 CR**
178° (+/- 89°) horizontal, 178° (+/- 89°) vertical

**Stand**
Tilt, swivel, pivot, and height adjustable stand

**Bezel width**
Sides: 0.08" (2.0mm)

**Dimensions (HxWxD)**
19.14" H x 19.28" W x 4.30" D; 485.8mm H x 489.7mm W x 110mm D

**Power supply**
18 watts typical, 43 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)

**Weight**
10.16 lb; 4.61 kg

**Limited warranty**
3 year (includes backlight)

**Available date**
October 2017

**VESA-compliant**
VESA DDC2B/CI

**Power management**
ENERGY STAR® qualified

**Emission standards**
ISO 9241-307

**Environmental**
TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT Gold rating

**Presets resolutions**
- VGA: 640x480, 720x400
- SVGA: 800x600, 832x624
- XGA: 1024x768, 1152x864
- SXGA: 1280x1024
- WXGA+: 1440x900, 1600x900
- WSXGA+: 1680x1050
- Full HD: 1920x1080

**Presets display modes**
Presets: 24; user modes: 20

**Viewing adjustments**
Tilt: 30° back, -5° forward; Swivel: +/-45°; detachable stand

**Rotating screen**
Screen pivots 90 degrees from landscape to portrait

**On screen display**
On screen display with digital user controls (8 languages)

**Control features**
Direct access for power, menu, input source select, volume up / down, speaker mute and microphone mute

**USB hub**
USB 3.0 Hub: 1 port into PC (USB 3.0); 2 ports for accessories (2 USB 3.0)

**Multimedia**
Integrated speakers, dual-array microphone, audio-in and Audio-out, optional sound bar supported

**Camera**
Integrated FHD camera with IR

**Multiple input**
Support HDMI, DisplayPort, VGA

**Monitor connectors**
(1) VGA 15-pin D-shell, analog, blue
(2) HDMI (1.4), digital, HDCP-compliant
(3) DisplayPort, digital, black, HDCP-compliant

**Signal cables**
(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
(2) detachable, DisplayPort at each end, digital, 1.8 meter

**Mounting features**
Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

**Security**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord, 1.8 meter HDMI signal cable (Row)

**Limited Warranty**

**Accessories**
- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)

Lenovo
October 2017
Lenovo ThinkVision T2324d Wide

**Name**
T2324d Wide Flat Panel Monitor

**Bezel color**
Black

**Type-model**
60F3JAR2US / 60F3JAT2EU

**Panel**
TFT-LCD, twisted nematic (TN), White LED backlight

**Viewable image size**
23.0" (584mm) diagonal

**Max view area (W x H)**
20.07" x 11.29" (509.8mm x 286.7mm)

**Native resolution**
1920x1080

**Aspect ratio**
16:9

**Pixel pitch (mm)**
0.2655 x 0.2655 mm

**Dot/Pixel per Inch**
96 dpi

**Brightness**
250 nits or cd/m² (typical)

**Contrast ratio**
1000:1 (typical)

**Pixel response time**
5ms (typical)

**Color gamut**
72%

**Viewing angle at 10:1 CR**
170° (+/- 85°) horizontal, 160° (+/- 80°) vertical

**Stand**
Tilt stand

**Bezel width**
Sides: 0.68" (17.3mm)

**Dimensions (HxWxD)**
15.75" H x 21.48" W x 8.06" D; 400.3mm H x 545.8mm W x 204.9mm D

**Power supply**
20 watts typical,
27 watts maximum

<0.3 watts standby/suspend, universal, integrated (no external brick-like power supply)

**Weight**
7.06 lb; 3.20 kg

**Limited warranty**
3 year (includes backlight)

**Available date**
June 2016

**VESA-compliant**
VESA DDC2B/C1

**Power management**
ENERGY STAR® qualified

**Ergonomics**
ISO 9241-307

**Emission standards**
FCC Class B

**Environmental**
TCO Displays 7.0, TCO Certified Edge 2.0, WEEE,
RoHS, EPEAT™ Gold rating

<table>
<thead>
<tr>
<th>Preset resolutions</th>
<th>VGA: 640x350, 640x480, 720x400</th>
<th>SVGA: 800x600</th>
<th>XGA: 1024x768, 1152x864</th>
<th>SXGA: 1280x1024</th>
<th>WXGA: 1280x768, 1280x800, 1366x768</th>
<th>WXGA+: 1440x900</th>
<th>WSXGA+: 1680x1050</th>
<th>Full HD: 1920x1080</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Presets / user settings</th>
<th>Standard presets: 26; user settings: 16</th>
</tr>
</thead>
</table>

**Viewing adjustments**
Tilt: 22° back, -5°

**Rotating screen**
None

**On screen display**
Direct access (buttons on front) for automatic image setup, dual input and brightness

**Control features**
On screen display with digital user controls (8 languages)

**USB hub**
None

**Multiple input**
Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

**Monitor connectors**
(1) VGA 15-pin D-shell, analog, blue
(2) DisplayPort, digital, black, HDCP-compliant

**Signal cables**
(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
(2) detachable, DisplayPort at each end, digital, 1.8 meter

**Mounting features**
Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

**Security**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord

**Features**
- Widescreen 23.0-inch monitor
- Supports 1920x1080 resolution
- Supports optional soundbar
- Supports ThinkCentre Tiny via VESA back mount
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

**Accessories**
- Kensington MicroSaver Cable Lock
- Kensington Twin Head Cable Lock

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)

Lenovo
July 2016
## Lenovo ThinkVision T2364t Wide Touch

**Product Specifications Reference (PSREF)**

### T2364t Wide Flat Panel Monitor
- **Black**

### 60E9MAR1US / 60E9MAT1EU
- **Panel**: TFT-LCD, In-Plane Switching (IPS), White LED backlight
- **Viewable image size**: 23.0” (584mm) diagonal
- **Max view area (W x H)**: 20.05” x 11.28” (509.2mm x 286.4mm)
- **Native resolution**: 1920x1080
- **Max view area (W x H)**: 20.05” x 11.28” (509.2mm x 286.4mm)
- **Native resolution**: 1920x1080
- **Touch**: Supports 10-point touch
- **Aspect ratio**: 16:9
- **Pixel pitch (mm)**: 0.2652 x 0.2652 mm
- **Dot/Pixel per Inch**: 95 dpi
- **Brightness**: 250 nits or cd/m² (typical)
- **Contrast ratio**: 1000:1 (typical)
- **Pixel response time**: 7ms (typical)
- **Color gamut**: 72%
- **Viewing angle at 10:1 CR**: 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
- **Stand**: Tilt adjustable stand
- **Bezel width**: Sides: 0.079” (2.0mm)
- **Dimensions (HxWxD)**: 318.2mm H x 522.2mm W x 72.7mm D
- **Power supply**: 22 watts typical, 45 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
- **Weight**: 9.24 lb; 4.32 kg
- **Limited warranty**: 3 year (includes backlight)
- **Available date**: June 2015

#### VESA-compliant
- VESA DDC2B/CI

#### Power management
- ENERGY STAR® qualified

#### Ergonomics
- Ergonomics ISO 9241-307

#### Emission standards
- FCC Class B

#### Environmental
- TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT® Gold rating

#### Preset resolutions
- VGA: 640x350, 640x480, 720x400, 700x570
- SVGA: 800x600, 832x624
- XGA: 1024x768, 1152x864
- SXGA: 1280x1024
- WXGA: 1366x768
- WXGA+: 1440x900, 1600x900
- WUXGA+: 1680x1050
- Full HD: 1920x1080

#### Presets / user settings
- User settings: 20

#### Viewing adjustments
- Til: 10° - 70° degrees; detachable stand

#### Rotating screen
- None

#### On screen display
- On screen display with digital user controls (8 languages)

#### Control features
- Direct access (buttons on front) for automatic image setup, dual input and brightness

#### USB hub
- USB 3.0 Hub: 1 port into PC (USB 3.0); 3 ports for accessories (3 USB 3.0)

#### Multiple input
- Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

#### Monitor connectors
- (1) VGA 15-pin D-shell, analog, blue
- (2) HDMI (1.4), digital, HDCP-compliant
- (3) DisplayPort, digital, black, HDCP-compliant

#### Signal cables
- (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
- (2) detachable, HDMI at each end, digital, 1.8 meter
- (3) detachable, DisplayPort at each end, digital, 1.8 meter

#### Mounting features
- Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

#### Security
- Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

#### Ship group
- Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter HDMI cable, 1.8 meter DisplayPort cable, 1.8 meter USB signal cable, 1.8 meter black power cord

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### Features
- Widescreen 23.0-inch monitor
- Supports 1920x1080 resolution
- Includes dual input connection for attachment to two systems concurrently
- EPEAT Gold certified
- 10-point touch screen
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

### Accessories
- Accessories
  - Kensington MicroSaver Cable Lock 73P2582
  - Kensington Twin Head Cable Lock 45K1620

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)
### Lenovo ThinkVision T23d-10 Wide Flat Panel Monitor

<table>
<thead>
<tr>
<th>Name</th>
<th>T23d-10 Wide Flat Panel Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bezel color</td>
<td>Black</td>
</tr>
<tr>
<td>Type-model</td>
<td>61C3MAR6US / 61C3MAT6EU</td>
</tr>
<tr>
<td>Panel</td>
<td>TFT-LCD, In-Plane Switching (IPS), White LED backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>22.5&quot; (571.5mm) diagonal</td>
</tr>
<tr>
<td>Max view area (W x H)</td>
<td>19.5&quot; x 12.4&quot; (496.2mm x 313.9mm)</td>
</tr>
<tr>
<td>Native resolution</td>
<td>1920x1200</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:10</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>0.25 x 0.25 mm</td>
</tr>
<tr>
<td>Dot/Pixel per inch</td>
<td>100.6 dpi</td>
</tr>
<tr>
<td>Brightness</td>
<td>250 nits or cd/m² (typical)</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>1000:1 (typical)</td>
</tr>
<tr>
<td>Pixel response time</td>
<td>6ms (typical)</td>
</tr>
<tr>
<td>Color gamut</td>
<td>72%</td>
</tr>
<tr>
<td>Viewing angle at 10:1 CR</td>
<td>178\° (+/- 89\°) horizontal, 178\° (+/- 89\°) vertical</td>
</tr>
<tr>
<td>Stand</td>
<td>Tilt, swivel, pivot, and height adjustable stand</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>19.37&quot; H x 19.73&quot; W x 9.9&quot; D; 491.9mm H x 501.2mm W x 251.9mm D</td>
</tr>
<tr>
<td>Power supply</td>
<td>15 watts typical, 18 watts maximum, &lt;0.3 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td>Weight</td>
<td>10.67 lb; 4.85 kg</td>
</tr>
<tr>
<td>Limited warranty</td>
<td>3 year (includes backlight)</td>
</tr>
<tr>
<td>Available date</td>
<td>June 2018</td>
</tr>
<tr>
<td>VESA-compliant</td>
<td>VESA DDC2B/CI</td>
</tr>
<tr>
<td>Power management</td>
<td>ENERGY STAR\® qualified</td>
</tr>
<tr>
<td>Emission standards</td>
<td>ISO 9241-307</td>
</tr>
<tr>
<td>Environmental</td>
<td>FCC Class B</td>
</tr>
<tr>
<td>Preset resolutions</td>
<td>VGA: 640x480, 720x400; SVGA: 800x600; XGA: 1024x768; SXGA: 1280x1024; WXGA: 1366x768; WXGA+: 1440x900; WSXGA+: 1680x1050; Full HD: 1920x1080; WUXGA: 1920x1200</td>
</tr>
</tbody>
</table>

#### Features

- Widescreen 22.5-inch monitor
- Supports 1920x1200 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- Includes dual input connection for attachment to two systems concurrently
- EPEAT Gold certified
- Microsoft Windows 7 certified
- Microsoft Windows 10 certified

#### Viewing adjustments

- Tilt: 30° back, -5° forward; lift: 4.3° (110mm); swivel: +/-45°; detachable stand

#### Rotating screen

- Screen pivots 90 degrees from landscape to portrait

#### On screen display

- On screen display with digital user controls (8 languages)

#### Control features

- Direct access (buttons on front) for power, menu, input source select and brightness

#### USB hub

- None

#### Multiple input

- Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

#### Monitor connectors

- (1) VGA 15-pin D-shell, analog, blue
- (2) HDMI (1.4), digital, HDCP-compliant
- (3) DisplayPort, digital, black, HDCP-compliant

#### Signal cables

- (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
- (2) detachable, DisplayPort at each end, digital, 1.8 meter

#### Mounting features

- Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

#### Security

- Security keyhole for attachment of optional cable lock (Kensington\® lock-compatible)

#### Ship group

- Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord, 1.8 meter HDMI signal cable (NA only)

### Limited Warranty


### Accessories

- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)

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Note: The specifications above may not be available in all regions.
## Lenovo ThinkVision T23i Wide Flat Panel Monitor

**Features**
- Widescreen 23-inch monitor
- Supports 1920x1080 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Includes dual input connection for attachment to two systems concurrently
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

### Specifications

<table>
<thead>
<tr>
<th>Name</th>
<th>T23i Wide Flat Panel Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bezel color</td>
<td>Black</td>
</tr>
<tr>
<td>Type-model</td>
<td>61ABMAR1US / 61ABMAT1EU</td>
</tr>
<tr>
<td>Panel</td>
<td>TFT-LCD, In-Plane Switching (IPS), White LED backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>23&quot; (584.2mm) diagonal</td>
</tr>
<tr>
<td>Max view area (W x H)</td>
<td>20.36&quot; x 11.92&quot; (517.2mm x 302.8mm)</td>
</tr>
<tr>
<td>Native resolution</td>
<td>1920x1080</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>0.2652 x 0.2652 mm</td>
</tr>
<tr>
<td>Brightness</td>
<td>250 nits or cd/m² (typical)</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>1000:1 (typical)</td>
</tr>
<tr>
<td>Pixel response time</td>
<td>6ms (typical)</td>
</tr>
<tr>
<td>Color gamut</td>
<td>72%</td>
</tr>
<tr>
<td>View angle at 10:1 CR</td>
<td>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</td>
</tr>
<tr>
<td>Stand</td>
<td>Tilt, swivel, pivot, and height adjustable stand</td>
</tr>
<tr>
<td>Bezel width</td>
<td>Sides: 0.08&quot; (2.0mm)</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>13.3&quot; H x 20.56&quot; W x 10.4&quot; D; 337.7mm H x 522.2mm W x 264.2mm D</td>
</tr>
<tr>
<td>Power supply</td>
<td>16 watts typical, 45 watts maximum (with USB 3.0 hub), &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td>Power supply</td>
<td>Universal, integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td>Weight</td>
<td>10.65 lb; 4.92 kg</td>
</tr>
<tr>
<td>Limited warranty</td>
<td>3 year (includes backlight)</td>
</tr>
<tr>
<td>Available date</td>
<td>April 2017</td>
</tr>
</tbody>
</table>

**VESA-compliant**
- VESA DDC2B/C1

**Power management**
- ENERGY STAR® qualified

**Ergonomics**
- ISO 9241-307

**Emission standards**
- FCC Class B

**Environmental**
- TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating

**Preset resolutions**
- VGA: 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768, 1152x864
- SXGA: 1280x1024
- WXGA+: 1440x900
- WSXGA+: 1680x1050
- Full HD: 1920x1080

**Presets display modes**
- HDMI: 18; DP: 18

**Viewing adjustments**
- Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand

**Rotating screen**
- Screen pivots 90 degrees from landscape to portrait

**On screen display**
- On screen display with digital user controls (8 languages)

**Control features**
- Direct access (buttons on front) for power, menu, input source select and brightness and automatic image setup

**USB hub**
- USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)

**Multiple input**
- Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

**Monitor connectors**
- (1) VGA 15-pin D-shell, analog, blue
- (2) HDMI (1.4), digital, HDCP-compliant
- (3) DisplayPort, digital, black, HDCP-compliant

**Signal cables**
- (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
- (2) detachable, DisplayPort at each end, digital, 1.8 meter

**Mounting features**
- Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

**Security**
- Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
- Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord

### Limited Warranty

### Accessories
- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620

See details at [www.lenovo.com/support/monitoraccessories](www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](www.lenovo.com/thinkvision)
# Lenovo ThinkVision T2424z Wide

## Specifications

<table>
<thead>
<tr>
<th>Name</th>
<th>T2424z Wide Flat Panel Monitor</th>
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<tbody>
<tr>
<td>Bezel color</td>
<td>Raven black</td>
</tr>
<tr>
<td>Type-model</td>
<td>60F8MAR1US / 60F8MAT1EU</td>
</tr>
<tr>
<td>Panel</td>
<td>TFT-LCD, In-Plane Switching (IPS), White LED backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>23.8&quot; (604.7mm) diagonal</td>
</tr>
<tr>
<td>Max view area (W x H)</td>
<td>20.75&quot; x 11.67&quot; (527.0mm x 296.5mm)</td>
</tr>
<tr>
<td>Native resolution</td>
<td>1920x1080</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>0.2745 x 0.2745 mm</td>
</tr>
<tr>
<td>Brightness</td>
<td>250 nits or cd/m² (typical)</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>1000:1 (typical)</td>
</tr>
<tr>
<td>Pixel response time</td>
<td>7ms (typical)</td>
</tr>
<tr>
<td>Color gamut</td>
<td>72%</td>
</tr>
<tr>
<td>Viewing angle at 10:1 CR</td>
<td>178\° (+/- 89\°) horizontal, 178\° (+/- 89\°) vertical</td>
</tr>
<tr>
<td>Bezel width</td>
<td>0.69&quot; (17.5mm)</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>19.53&quot; H x 22.19&quot; W x 10.39&quot; D; 496.0mm H x 563.6mm W x 264.2mm D</td>
</tr>
<tr>
<td>Power supply</td>
<td>22 watts typical, 40 watts maximum (without USB 3.0 hub), &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td>Weight</td>
<td>12.90 lb; 5.85 kg</td>
</tr>
<tr>
<td>Limited warranty</td>
<td>3 year (includes backlight)</td>
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<tr>
<td>Available date</td>
<td>June 2016</td>
</tr>
</tbody>
</table>

## Features

- Widescreen 23.8-inch monitor
- Supports 1920x1080 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 / Windows 8.1 certified
- Microsoft Windows 10 certified

## Preset resolutions

- VGA: 640x350, 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768, 1152x864
- SXGA: 1280x1024
- WXGA+: 1440x900, 1600x900
- WSXGA+: 1680x1050
- Full HD: 1920x1080

## Viewing adjustments

- Tilt: 30° back, -5° forward; lift: 4.3\" (110mm); swivel: +/45°; detachable stand

## Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

## Accessories

- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)

Lenovo
November 2016
### Lenovo ThinkVision T2454p Wide Flat Panel Monitor

**Name:** T2454p Wide Flat Panel Monitor  
**Bezel color:** Raven black  
**Type-model:** 60F9MAR1US / 60F9MAT1EU  
**Panel:** TFT-LCD, In-Plane Switching (IPS), White LED backlight  
**Viewable image size:** 24.0” (609.6mm) diagonal  
**Max view area (W x H):** 20.41” x 12.76” (518.4mm x 324.0mm)  
**Native resolution:** 1920x1200  
**Aspect ratio:** 16:10  
**Pixel pitch (mm):** 0.270 x 0.270 mm  
**Brightness:** 300 nits or cd/m² (typical)  
**Contrast ratio:** 1000:1 (typical)  
**Pixel response time:** 7ms (typical)  
**Color gamut:** 77.4%  
**Viewing angle at 10:1 CR:** 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical  
**Stand:** Tilt, swivel, pivot, and height adjustable stand  
**Bezel width:** Sides: 0.74” (18.8mm)  
**Dimensions (HxWxD):** 15.85” H x 21.94” W x 10.39” D; 402.5mm H x 557.4mm W x 264.2mm D  
**Power supply:** 24 watts typical, 27 watts maximum (without USB 3.0 hub), 54 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)  
**Weight:** 13.60 lb; 6.15 kg  
**Limited warranty:** 3 year (includes backlight)  
**Available date:** March 2015  
**VESA-compliant:** VESA DDC2B/CI  
**Power management:** ENERGY STAR® qualified  
**Ergonomics:** ISO 9241-307  
**Emission standards:** FCC Class B  
**Environmental:** TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT® Gold rating  
**Preset resolutions:**  
- VGA: 640x350, 640x480, 720x400  
- SVGA: 800x600  
- XGA: 1024x768  
- SXGA: 1280x1024  
- WXGA: 1280x720, 1280x768, 1280x800  
- WXGA+: 1440x900  
- WSXGA+: 1680x1050, 1600x1200  
- Full HD: 1920x1080, 1920x1200  
**Presets / user settings:** Standard presets: 21; user settings: 20  
**Viewing adjustments:**  
- Tilt: 30° back, -5° forward  
- Swivel: +/-45°; detachable stand  
**Rotating screen:** Screen pivots 90 degrees from landscape to portrait  
**On screen display:** On screen display with digital user controls (8 languages)  
**Control features:** Direct access (buttons on front) for automatic image setup, dual input and brightness  
**USB hub:** USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)  
**Multiple input:** Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)  
**Monitor connectors:**  
1. VGA 15-pin D-shell, analog, blue  
2. HDMI (1.4), digital, HDCP-compliant  
3. DisplayPort, digital, black, HDCP-compliant  
**Signal cables:**  
1. detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter  
2. detachable, DisplayPort at each end, digital, 1.8 meter  
**Mounting features:** Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount  
**Security:** Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)  
**Ship group:** Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DisplayPort cable, 1.8 meter USB signal cable, 1.8 meter black power cord

### Features

- Widescreen 24.0-inch monitor  
- Supports 1920x1200 resolution  
- Supports ThinkCentre Tiny Clamp Bracket  
- Supports optional soundbar  
- Includes dual input connection for attachment to two systems concurrently (analog and digital)  
- EPEAT Gold certified  
- Microsoft® Windows® 7 certified  
- Microsoft Windows 8 / Windows 8.1 certified  
- Microsoft Windows 10 certified

### Accessories

- Kensington MicroSaver Cable Lock  
- Kensington Twin Head Cable Lock

See details at www.lenovo.com/support/monitoraccessories

See all monitors at www.lenovo.com/thinkvision
### Lenovo ThinkVision T24d

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<td><strong>Name</strong></td>
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<tr>
<td><strong>Bezel color</strong></td>
<td>Black</td>
</tr>
<tr>
<td><strong>Type-model</strong></td>
<td>61B4MAR1US / 61B4MAT1EU</td>
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<tr>
<td><strong>Panel</strong></td>
<td>TFT-LCD, In-Plane Switching (IPS), White LED-backlight</td>
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<tr>
<td><strong>Viewable image size</strong></td>
<td>24&quot; (609.6mm) diagonal</td>
</tr>
<tr>
<td><strong>Max view area (W x H)</strong></td>
<td>20.41&quot; x 12.75&quot; (518.4mm x 324mm)</td>
</tr>
<tr>
<td><strong>Native resolution</strong></td>
<td>1920x1200</td>
</tr>
<tr>
<td><strong>Aspect ratio</strong></td>
<td>16:10</td>
</tr>
<tr>
<td><strong>Pixel pitch (mm)</strong></td>
<td>0.27 x 0.27 mm</td>
</tr>
<tr>
<td><strong>Dot/Pixel per Inch</strong></td>
<td>94 dpi</td>
</tr>
<tr>
<td><strong>Brightness</strong></td>
<td>300 nits or cd/m² (typical)</td>
</tr>
<tr>
<td><strong>Contrast ratio</strong></td>
<td>1000:1 (typical)</td>
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<tr>
<td><strong>Pixel response time</strong></td>
<td>7ms (typical)</td>
</tr>
<tr>
<td><strong>Color gamut</strong></td>
<td>99%</td>
</tr>
<tr>
<td><strong>Viewing angle at 10:1 CR</strong></td>
<td>178° (+/- 89°) horizontal, 178° (+/- 89°) vertical</td>
</tr>
<tr>
<td><strong>Bezel width</strong></td>
<td>Tilt, swivel, pivot, and height adjustable stand</td>
</tr>
<tr>
<td><strong>Dimensions (HxWxD)</strong></td>
<td>19.58&quot; H x 20.99&quot; W x 10.25&quot; D; 197.4mm H x 533.2mm W x 260.4mm D</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>22 watts typical</td>
</tr>
<tr>
<td><strong>Maximum power supply</strong></td>
<td>64 watts maximum (with USB 3.0 hub), &lt;0.3 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>12.41 lb; 5.63 kg</td>
</tr>
<tr>
<td><strong>Limited warranty</strong></td>
<td>3 year (includes backlight)</td>
</tr>
<tr>
<td><strong>Available date</strong></td>
<td>June 2017</td>
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<tr>
<td><strong>VESA-compliant</strong></td>
<td>VESA DDC2B/CI</td>
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<tr>
<td><strong>Power management</strong></td>
<td>ENERGY STAR® qualified</td>
</tr>
<tr>
<td><strong>Ergonomics</strong></td>
<td>ISO 9241-307</td>
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<td><strong>Emission standards</strong></td>
<td>FCC Class B</td>
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<tr>
<td><strong>Environmental</strong></td>
<td>TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating</td>
</tr>
<tr>
<td><strong>Preset resolutions</strong></td>
<td>VGA: 640x480, 720x400; SVGA: 800x600; XGA: 1024x768; SXGA: 1280x1024; WXGA: 1366x768; WXGA+: 1440x900; WSXGA+: 1680x1050; Full HD: 1920x1080; WUXGA: 1920x1200</td>
</tr>
<tr>
<td><strong>Presets display modes</strong></td>
<td>Standard presets: 22; user settings: 20</td>
</tr>
<tr>
<td><strong>Viewing adjustments</strong></td>
<td>Tilt: 30° back, -5° forward; lift: 4.3° (110mm); swivel: +/-45°; detachable stand</td>
</tr>
<tr>
<td><strong>Rotating screen</strong></td>
<td>Screen pivots 90 degrees from landscape to portrait</td>
</tr>
<tr>
<td><strong>On screen display</strong></td>
<td>On screen display with digital user controls (8 languages)</td>
</tr>
<tr>
<td><strong>Control features</strong></td>
<td>Direct access (buttons on front) for power, menu, input source select and brightness</td>
</tr>
<tr>
<td><strong>USB hub</strong></td>
<td>USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)</td>
</tr>
<tr>
<td><strong>Multiple input</strong></td>
<td>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</td>
</tr>
<tr>
<td><strong>Monitor connectors</strong></td>
<td>(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant</td>
</tr>
<tr>
<td><strong>Signal cables</strong></td>
<td>(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter</td>
</tr>
<tr>
<td><strong>Mounting features</strong></td>
<td>Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</td>
</tr>
<tr>
<td><strong>Mounting features</strong></td>
<td>Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord, 1.8 meter HDMI signal cable (NA only)</td>
</tr>
</tbody>
</table>

### Features
- Widescreen 24-inch monitor
- Supports 1920x1200 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- Includes dual input connection for attachment to two systems concurrently
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

### Accessories
- Kensington MicroSaver Cable Lock
  - 73P2582
- Kensington Twin Head Cable Lock
  - 45K1620

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)
Lenovo ThinkVision T24i

**Features**

- Widescreen 23.8-inch monitor
- Supports 1920x1080 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- Includes dual input connection for attachment to two systems concurrently
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

**Name**

T24i Wide Flat Panel Monitor

**Bezel color**

Black

**Type-model**

61A6MAR3US / 61A6MAT3EU / 61CEMAT2EU

**Panel**

TFT-LCD, In-Plane Switching (IPS), White LED backlight

**Viewable image size**

23.8” (604.7mm) diagonal

**Max view area (W x H)**

20.75” x 11.67” (527.04mm x 296.5mm)

**Native resolution**

1920x1080

**Aspect ratio**

16:9

**Pixel pitch (mm)**

0.2745 x 0.2745 mm

**Dot/ Pixel per Inch**

93 dpi

**Brightness**

250 nits or cd/m² (typical)

**Contrast ratio**

1000:1 (typical)

**Pixel response time**

6ms (typical)

**Color gamut**

72%

**Viewing angle at 10:1 CR**

178° (+/- 89°) horizontal, 178° (+/- 89°) vertical

**Stand**

Tilt, swivel, pivot, and height adjustable stand

**Bezel width**

Sides: 0.08” (2.0mm)

**Dimensions (HxWxD)**

14.7” H x 21.26” W x 10.3” D; 373.4mm H x 540.2mm W x 261.75mm D

**Power supply**

16.5 watts typical, 55 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)

**Weight**

11.57 lb; 5.25 kg

**Limited warranty**

3 year (includes backlight)

**Available date**

April 2017

**VESA-compliant**

VESA DDC2B/CI

**Power management**

ENERGY STAR® qualified

**Ergonomics**

ISO 9241-307

**Emission standards**

FCC Class B

**Environmental**

TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT® Gold rating

**Preset resolutions**

- VGA: 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768
- SXGA: 1280x1024
- WXGA: 1366x768
- WXGA+: 1440x900, 1680x900
- WSXGA+: 1680x1050
- Full HD: 1920x1080

**Presets display modes**

- HDMI: 17;
- DP: 17

**Viewing adjustments**

Tilt: 30° back, -5° forward;

Swivel: +/-45°;

Detachable stand

**Rotating screen**

Screen pivots 90 degrees from landscape to portrait

**On screen display**

On screen display with digital user controls (8 languages)

**Control features**

Direct access (buttons on front) for power, menu, input source select and brightness and automatic image setup

**USB hub**

USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0)

**Multiple input**

Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

**Monitor connectors**

1. VGA 15-pin D-shell, analog, blue
2. HDMI (1.4), digital, HDCP-compliant
3. DisplayPort, digital, black, HDCP-compliant

**Signal cables**

1. Detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
2. Detachable, DisplayPort at each end, digital, 1.8 meter

**Mounting features**

Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

**Security**

Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**

Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord

**Limited Warranty**


**Accessories**

Kensington MicroSaver Cable Lock

Kensington Twin Head Cable Lock

See all monitors at www.lenovo.com/thinkvision
Lenovo ThinkVision T24m

Name
Bezel color
Type-model
Panel
Viewable image size
Max view area (W x H)
Native resolution
Aspect ratio
Pixel pitch (mm)
Dot/Pixel per Inch
Brightness
Contrast ratio
Pixel response time
Color gamut
Viewing angle at 10:1 CR
Stand
Bezel width
Dimensions (HxWxD)
Power supply
Weight
Limited warranty
Available date
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Preset resolutions
Presets display modes
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Rotating screen
On screen display
Control features
USB hub
Multimedia
Multiple input
Monitor connectors
Signal cables
Mounting features
Security
Ship group

Features

- Widescreen 23.8-inch monitor
- Supports 1920x1080 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

ThinkVision T24m Wide Monitor

Limited Warranty

Accessories

- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)
ThinkVision T24v Wide Flat Panel Monitor

**Name:**
Lenovo ThinkVision T24v

**Bezel color:**
Black

**Type-model:**
61B8MAR6US / 61B8MAT6EU

**Panel:**
TFT-LCD, In-Plane Switching (IPS), White LED backlight

**Viewable image size:**
23.8" (604.5mm) diagonal

**Max view area (W x H):**
20.75" x 11.67" (527.04mm x 296.46mm)

**Native resolution:**
1920x1080

**Aspect ratio:**
16:9

**Pixel pitch (mm):**
0.2745 x 0.2745 mm

**Dot/Pixel per Inch:**
92 dpi

**Brightness:**
250 nits or cd/m² (typical)

**Contrast ratio:**
1000:1 (typical)

**Pixel response time:**
6ms (typical); 4ms (extreme mode)

**Color gamut:**
72%

**Viewing angle at 10:1 CR:**
178° (+/- 89°) horizontal, 178° (+/- 89°) vertical

**Stand:**
Tilt, swivel, pivot, and height adjustable stand

**Bezel width:**
Sides: 0.08" (2.0mm)

**Dimensions (HxWxD):**
19.72" H x 21.28" W x 10.32" D; 500.5mm H x 540.2mm W x 261.9mm D

**Power supply:**
20 watts typical, 45 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)

**Weight:**
11.18 lb; 5.07 kg

**Limited warranty:**
3 year (includes backlight)

**Available date:**
October 2017

**VESA-compliant:**
VESA DDC2B/CI

**Power management:**
ENERGY STAR® qualified

**Ergonomics:**
ISO 9241-307

**Emission standards:**
FCC Class B

**Environmental:**
TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating

**Preset resolutions:**
- VGA: 640x480, 720x400
- SVGA: 800x600, 832x624
- XGA: 1024x768, 1152x864
- SXGA: 1280x1024
- WXGA+: 1440x900, 1600x900
- WUXGA+: 1680x1050
- Full HD: 1920x1080

**Presets display modes:**
Presets: 24; user modes: 20

**Viewing adjustments:**
Tilt: 30° back, -5° forward; lift: 4.3° (+/- 89°); detachable stand

**Rotating screen:**
Screen pivots 90 degrees from landscape to portrait

**On screen display:**
On screen display with digital user controls (8 languages)

**Control features:**
Direct access for power, menu, input source select, volume up / down, speaker mute and microphone mute

**USB hub:**
USB 3.0 Hub: 1 port into PC (USB 3.0); 2 ports for accessories (2 USB 3.0)

**Multimedia:**
Integrated speakers, dual-array microphone, audio-in and Audio-out, optional sound bar supported

**Camera:**
Integrated FHD camera with IR

**Multiple input:**
Support HDMI, DisplayPort, VGA

**Monitor connectors:**
- VGA 15-pin D-shell, analog, blue
- HDMI (1.4), digital, HDCP-compliant
- DisplayPort, digital, black, HDCP-compliant

**Signal cables:**
- (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
- (2) detachable, HDMI at each end, digital, 1.8 meter

**Mounting features:**
Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount

**Security:**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group:**
Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord, 1.8 meter HDMI signal cable (Row)

**Features:**
- Widescreen 23.8-inch monitor
- Supports 1920x1080 resolution
- Supports ThinkCentre Tiny Clamp Bracket
- Supports optional soundbar
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

**Accessories:**
- Kensington MicroSaver Cable Lock
- Kensington Twin Head Cable Lock

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)

**Limited Warranty:**

**October 2017**
# Lenovo ThinkVision X24 Pro Wide

## Features

- Widescreen 23.8-inch monitor
- Supports 1920x1080 resolution
- Includes dual input connection for attachment to two systems concurrently
- EPEAT Silver certified
- Intel RealSense 3D camera
- Stereo speakers 3 watts x 2
- One cable docking through USB 3.1 Type C
- Windows Hello certified
- Microsoft® Windows® 10 certified

## Product Specifications Reference (PSREF)

### Name

X24 Pro Wide Flat Panel Monitor

### Bezel color

Black

### Type-model

60E4ECR1US / 60E4ECT1US / 60E4ECT1EU

### Panel

TFT-LCD, AH-IPS (In-Plane Switching), White LED backlight

### Viewable image size

23.8" (604.5mm) diagonal

### Max view area (W x H)

20.75" x 11.67" (527.0mm x 296.5mm)

### Native resolution

1920x1080

### Aspect ratio

16:9

### Pixel pitch (mm)

0.2745 x 0.2745 mm

### Dot/ Pixel per Inch

92 dpi

### Brightness

250 nits or cd/m² (typical)

### Contrast ratio

1000:1 (typical)

### Pixel response time

7ms (typical)

### Color gamut

72%

### Viewing angle at 10:1 CR

178° (+/- 89°) horizontal, 178° (+/- 89°) vertical

### Stand

Tilt stand

### Bezel width

Sides: 0.09" (2.3mm)

### Dimensions (HxWxD)

17.61" H x 21.30" W x 9.39" D; 447.4mm H x 540.9mm W x 238.4mm D

### Power supply

20 watts typical, 90 watts maximum, <0.5 watts standby/suspend, universal, external power supply

### Weight

9.26 lb; 4.20 kg

### Limited warranty

1 year (includes backlight)

### Available date

July 2016

### Power management

ENERGY STAR® qualified

### Ergonomics

ISO 9241-307

### Environmental

FCC Class B

TCO Displays 6.0, WEEE, RoHS, EPEAT® Silver rating

### Preset resolutions

- VGA: 640x350, 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768
- SXGA: 1280x1024
- WXGA: 1366x768
- WXGA+: 1440x900, 1600x900
- WXGA++: 1680x1050
- Full HD: 1920x1080

### Presets / user settings

Standard presets: 16; user settings: 20

### Viewing adjustments

Tilt: 22° back, -5° forward

Rotating screen

None

On screen display

On screen display with digital user controls

Control features

Direct access (buttons on side bezel) for dual input and brightness

USB hub

USB Hub: two USB 3.1 Type-C and one micro USB 3.0 ports

Multimedia

Integrated stereo speakers (3 watts x 2), built-in microphone

Camera

RealSense 3D camera SR300

Multiple input

Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

Monitor connectors

(1) mDP, Mini DisplayPort, digital, HDCP-compliant
(2) USB Type-C, digital
(2) USB Type-C, digital
(2) mDP adapter
(3) Micro USB 3.0 cable

### Signal cables

(1) detachable, mDP to DP, digital, 2.0 meter
(2) DP to mDP adapter

### Mounting features

None

Security

Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

### Ship group

Monitor with stand, Safety and Warranty Information, ThinkPad 90W Square tip power adaptor, 2 meter Mini DisplayPort to DisplayPort signal cable (with DP to mDP adapter), Micro USB 3.0 cable (for using camera)

## Accessories

- Kensington MicroSaver Cable Lock
- Kensington Twin Head Cable Lock

See details at www.lenovo.com/support/monitoraccessories

See all monitors at www.lenovo.com/thinkvision

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**Limited Warranty**


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Lenovo

July 2017
## Lenovo ThinkVision X24-20

### Product Specifications Reference (PSREF)

**Name**
X24-20 Flat Panel Monitor

**Bezel color**
Raven black

**Type-model**
61BDGAR3US / 61BDGAT3EU

**Panel**
TFT-LCD, IPS (In-Plane Switching), White LED backlight

**Viewable image size**
23.8" (604.5mm) diagonal

**Max view area (W x H)**
20.75" x 11.67" (527.0mm x 296.5mm)

**Native resolution**
1920x1080

**Aspect ratio**
16:9

**Pixel pitch (mm)**
0.2745 x 0.2745 mm

**Dot/ Pixel per Inch**
92 dpi

**Brightness**
250 nits or cd/m² (typical)

**Pixel response time**
6ms (typical)

**Color gamut**
72% (NTSC)

**Viewing angle at 10:1 CR**
178° (+/- 89°) horizontal, 178° (+/- 89°) vertical

**Stand**
Tilt stand

**Bezel width**
Sides: 0.04" (1.1mm)

**Dimensions (HxWxD)**
12.85" H x 21.16" W x 8.66" D; 326.4mm H x 537.4mm W x 220mm D

**Power supply**
20 watts typical, 25 watts maximum, <0.5 watts standby/suspend, universal, external power supply

**Weight**
7.3 lb; 3.3 kg

**Limited warranty**
3 year (includes backlight)

**Available date**
December 2017

**Power management**
ENERGY STAR® qualified

**Ergonomics**
ISO 9241-307

**Emission standards**
FCC Class B

**Environmental**
TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Silver rating

**Presets / user settings**
Standard presets: 18; user settings: 0

**Viewing adjustments**
Tilt: 30° back, -5° forward

**Rotating screen**
None

**On screen display**
On screen display with digital user controls (8 languages)

**Control features**
Direct access (buttons on side bezel) for power, dual input and brightness

**USB hub**
None

**Multiple input**
Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)

**Monitor connectors**
(1) HDMI (1.4a), digital, HDCP-compliant
(2) DisplayPort, digital, black, HDCP-compliant

**Signal cables**
(1) detachable, HDMI at each end, digital, 1.8 meter

**Mounting features**
None

**Security**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor with stand, Safety and Warranty Information, 1.8 meter HDMI signal cable, 1.8 meter black power cord

### Features
- Widescreen 23.8-inch monitor
- Supports 1920x1080 resolution
- Includes dual input connection for attachment to two systems concurrently
- EPEAT Silver certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

### Accessories
- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)

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**Limited Warranty**


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**Lenovo**

December 2017
### Lenovo ThinkVision P27

**Name**
P27 Wide Flat Panel Monitor

**Case color**
Black

**Type-model**
60E3GAR1US / 60E3GAT1EU

**Panel**
TFT-LCD, IPS (In-Plane Switching), White LED backlight

**Viewable image size**
27” (684.7mm) diagonal

**Max view area (W x H)**
23.49” x 13.21” (596.7mm x 335.7mm)

**Optimum resolution**
3840x2160

**Max pixel rate**
600MHz

**Aspect ratio**
16:9

**Pixel pitch (mm)**
0.16 x 0.16mm

**Brightness**
300 nits or cd/m² (typical)

**Contrast ratio**
1300:1 (typical)

**Pixel response time**
6ms

**Color gamut**
99%

**Viewing angle at 10:1 CR**
178° horizontal, 178° vertical

**Stand**
Tilt, swivel, pivot, and height adjustable stand

**Bezel width**
Sides: 0.088” (2.23mm)

**Dimensions**
18.59” H x 24.19” W x 11.81” D;
(HxWxD, including stand) 472.3mm H x 614.5mm W x 299.9mm D

**Power supply**
40 watts typical,
70 watts maximum (with USB),
<0.5 watts sleep/standby;
<0.5 watts switch off

**Weight**
15.12 lb; 6.86kg (including stand)

**Limited warranty**
3 year

**Available date**
March 2016

**VESA-compliant**
VESD DC2B/CI

**Power management**
ENERGY STAR® 7.0

**Ergonomics**
ISO 9241-307

**Emission standards**
FCC Class B

**Environmental**
TCO Displays 7.0, RoHS, EPEAT™ Gold rating,
ULE Gold

**Preset resolutions**
- VGA: 640x350, 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768, 1152x864
- SXGA: 1280x1024
- WXGA: 1280x720, 1280x768, 1280x800, 1360x768
- WXGA+: 1440x900, 1600x900
- WSXGA+: 1680x1050
- Full HD: 1920x1080, 1920x1200
- UHD: 3840x2160

**Presets / user settings**
Standard presets: 20; user settings: 20

**Viewing adjustments**
Tilt: 30° back, -5° forward; lift: 3.15” (80mm); swivel: +/-45°

**Rotating screen**
Screen pivots 90 degrees from landscape to portrait

**On screen display**
On screen display with digital user controls (8 languages)

**Control features**
Direct access (touch buttons on front) for menu, mute, volume up/down, and brightness

**USB hub**
USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports

**Multimedia**
Integrated stereo speakers (3 watts x 2)

**Camera**
None

**Multiple input**
Support HDMI, DisplayPort

**Monitor connectors**
- (1) HDMI (2.0), digital, HDCP-compliant
- (2) DisplayPort (1.2), digital, HDCP-compliant
- (1) detachable, DisplayPort at each end, digital, 1.8 meter

**Signal cables**
Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPM1™ (100mm mount)

**Mounting features**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord, mini DP to DP adapter, power adapter (90W)

### Limited Warranty


### Accessories

<table>
<thead>
<tr>
<th>Kensington MicroSaver Cable Lock</th>
<th>73P2582</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kensington Twin Head Cable Lock</td>
<td>45K1620</td>
</tr>
<tr>
<td>Lenovo Security Cable Lock</td>
<td>57Y4303</td>
</tr>
</tbody>
</table>

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)
### Lenovo ThinkVision P27h

**Name**: P27h Wide Flat Panel Monitor

**Case color**: Black

**Type-model**: 61AFGAR1US / 61AFGAT1EU

**Panel**: TFT-LCD, IPS (In-Plane Switching), White LED backlight

**Viewable image size**: 27" (685.8mm) diagonal

**Max view area (W x H)**: 23.49" x 13.21" (596.7mm x 335.7mm)

**Optimum resolution**: 2560x1440

**Max pixel rate**: 300MHz

**Aspect ratio**: 16:9

**Pixel pitch (mm)**: 0.2331 x 0.2331mm

**Dot/Pixel per Inch**: 109 dpi

**Brightness**: 350 nits or cd/m² (typical)

**Contrast ratio**: 1000:1 (typical)

**Pixel response time**: 4ms (extreme) / 6ms (typical)

**Color gamut**: 99% sRGB

**Viewing angle at 10:1 CR**: 178° horizontal, 178° vertical

**Stand**: Tilt, swivel, pivot, and height adjustable stand

**Bezel width**: Sides: 0.08" (2mm)

**Dimensions**: 20.21" H x 24.08" W x 10.62" D; (HxWxD, including stand) 513mm H x 611.6mm W x 269.8mm D

**Power supply**: 38 watts typical, 140 watts maximum (with USB), <0.5 watts sleep/off; <0.5 watts switch off integrated (no external brick-like power supply)

**Weight**: 15.43 lb; 7.0kg (including stand)

**Limited warranty**: 3 year

**Available date**: April 2017

**VESA-compliant**: VESA DDC2B/CI

**Power management**: ENERGY STAR® 7.0

**Ergonomics**: ISO 9241-307

**Emission standards**: FCC Class B, TCO Displays 7.0, RoHS, EPEAT™ Gold rating, ULE Gold

**Preset resolutions**: VGA: 640x480, 720x400

SVGA: 800x600

XGA: 1024x768

SXGA: 1280x1024

WXGA: 1366x768

WXGA+: 1440x900, 1680x900

WSXGA+: 1680x1050

Full HD: 1920x1080, 1920x1200

QHD: 2560x1440

**Presets display modes**: HDMI: 22; DP: 14

**Viewing adjustments**: Tilt: 30° back, -5° forward; lift: 4.33" (110mm); swivel: +/-45°

**Rotating screen**: Screen pivots 90 degrees from landscape to portrait

**On screen display**: On screen display with digital user controls (8 languages)

**Control features**: Direct access (buttons on front) for power, menu, input source select and brightness

**USB hub**: USB Hub: one USB 3.1 Type-C upstream port, four USB 3.0 Type-A downstream ports

**Multimedia**: Audio-out, optional sound bar supported

**Camera**: None

**Multiple input**: Support HDMI, DisplayPort, USB 3.1 Type-C, DisplayPort-out

**Monitor connectors**: (1) 2*HDMI (1.4), digital, HDCP-compliant

(2) DisplayPort (1.2), digital, HDCP-compliant

(3) DisplayPort-out, digital

(4) USB 3.1 Type-C

**Signal cables**: (1) USB 3.1 Type-C cable, 1.8 meter

**Mounting features**: Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)

**Security**: Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**: Monitor, detachable stand, Quick start and safety poster, 1.8 meter USB 3.1 Type-C cable, 1.8 meter black power cord

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**Limited Warranty**


**Accessories**

- Kensington MicroSaver Cable Lock: 73P2582
- Kensington Twin Head Cable Lock: 45K1620
- Lenovo Security Cable Lock: 57Y4303

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)
### Lenovo ThinkVision P27q

**Name**
ThinkVision P27q Wide Flat Panel Monitor

**Case color**
Black

**Type-model**
61A8GAT1EU

**Panel**
TFT-LCD, IPS (In-Plane Switching), White LED backlight

**Viewable image size**
27" (685.8mm) diagonal

**Max view area (W x H)**
23.49" x 13.21" (596.7mm x 335.7mm)

**Optimum resolution**
2560x1440

**Max pixel rate**
300MHz

**Aspect ratio**
16:9

**Pixel pitch (mm)**
0.2331 x 0.2331mm

**Brightness**
350 nits or cd/m² (typical)

**Contrast ratio**
1000:1 (typical)

**Pixel response time**
4ms

**Color gamut**
99% sRGB

**Viewing angle at 10:1 CR**
178° horizontal, 178° vertical

**Stand**
Tilt, swivel, pivot, and height adjustable stand

**Bezel width**
0.08" (2mm)

**Dimensions (HxWxD, including stand)**
513mm H x 614mm W x 269.8mm D

**Power supply**
38 watts typical, 75 watts maximum (with USB), <0.5 watts sleep/stand, <0.3 watts switch off (integrated, no external brick-like power supply)

**Weight**
15.43 lb; 7.0kg (including stand)

**Limited warranty**
3 year

**Available date**
January 2017

**Features**
- 27-inch IPS LED backlit monitor
- Supports 2560x1440 resolution
- 5-Ports USB hub, support USB 3.0
- Support ThinkCentre Tiny
- Supports optional soundbar
- Microsoft® Windows® 7 certified
- Microsoft Windows 10 certified

**Presets / user settings**
Standard presets: 20; user settings: 24

**Viewing adjustments**
Tilt: 30° back, -5° forward; lift: 4.33" (110mm); swivel: +/-45°

**Rotating screen**
Screen pivots 90 degrees from landscape to portrait

**On screen display**
Direct access for menu, source switch, and brightness

**USB hub**
USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports

**Multimedia**
Audio-out, optional sound bar supported

**Camera**
None

**Multiple input**
Support HDMI, DisplayPort, mini DisplayPort, DisplayPort-out

**Monitor connectors**
(1) 2*HDMI (1.4), digital, HDCP-compliant
(2) DisplayPort (1.2), digital, HDCP-compliant
(3) Mini DisplayPort, digital, HDCP-compliant

**Signal cables**
(1) detachable, mini DisplayPort to DisplayPort, digital, 1.8 meter

**Mounting features**
Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)

**Security**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor, detachable stand, Quick start and safety poster, 1.8 meter USB 3.0 cable, 1.8 meter mini DP to DP cable, 1.8 meter black power cord

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#### Limited Warranty


#### Accessories

| Kensington MicroSaver Cable Lock | 73P2582 |
| Kensington Twin Head Cable Lock | 45K1620 |
| Lenovo Security Cable Lock | 57Y4303 |

See details at [www.lenovo.com/support/monitoraccessories](www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](www.lenovo.com/thinkvision)
## Lenovo ThinkVision P27u

**Name**
P27u Wide Flat Panel Monitor

**Case color**
Black

**Type-model**
61CBGAR1US / 61CBGAT1EU / 61CBGAR1EU / 61B0GAR1US / 61B0GAT1EU

**Panel**
TFT-LCD, IPS (In-Plane Switching), White LED backlight

**Viewable image size**
27" (684.7mm) diagonal

**Max view area (W x H)**
23.49" x 13.21" (596.74mm x 335.66mm)

**Optimum resolution**
3840x2160

**Max pixel rate**
600MHz

**Aspect ratio**
16:9

**Pixel pitch (mm)**
0.1554 x 0.1554mm

**Dot/Pixel per Inch**
163 dpi

**Brightness**
350 nits or cd/m² (typical)

**Contrast ratio**
1000:1 (typical)

**Pixel response time**
6ms (typical)

**Color gamut**
1.457 sRGB

**Viewing angle at 10:1 CR**
178° horizontal, 178° vertical

**Stand**
Tilt, swivel, pivot, and height adjustable stand

**Bezel width**
Sides: 0.08" (2mm)

**Dimensions**
513.3mm H x 611.6mm W x 269.8mm D

**Power supply**
50 watts typical, 160 watts maximum (with USB), <0.5 watts sleep/off, <0.3 watts switch off integrated (no external brick-like power supply)

**Power management**
VESA DDC2B/CI

**Environmental**
ENERGY STAR® 7.0

**ISO 9241-307**
FCC Class B

**TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating, ULE Gold**

**Preset resolutions**
- VGA: 640x480, 720x400, 720x480, 720x576
- SVGA: 800x600
- XGA: 1024x768
- SXGA: 1280x720, 1280x800, 1280x1024
- WXGA+: 1440x900, 1600x900
- WXGA+: 1680x1050
- Full HD: 1920x1080, 1920x1200
- QHD: 2560x1440
- UHD: 3840x2160

**Preset / user settings**
Standard presets: 27; user settings: 20

**Viewing adjustments**
Tilt: 30° back, -5° forward; lift: 4.33" (110mm); swivel: +/-45°

**Rotating screen**
Screen pivots 90 degrees from landscape to portrait

**On screen display**
On screen display with digital user controls (8 languages)

**Control features**
Direct access (buttons on front) for power, menu, input source select and brightness

**USB hub**
USB Hub: one USB 3.1 Type-C port, four USB 3.0 Type-A downstream ports

**Multimedia**
Audio-out, optional sound bar supported

**Camera**
None

**Multiple input**
Support HDMI, DisplayPort, USB 3.1 Type-C

**Monitor connectors**
- (1) 2*HDMI (2.0), digital, HDCP-compliant
- (2) DisplayPort (1.2), digital, HDCP-compliant
- (3) USB 3.1 Type-C

**Signal cables**
(1) detachable, DisplayPort to DisplayPort, digital, 1.8 meter

**Mounting features**
Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)

**Security**
Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

**Ship group**
Monitor, detachable stand, Quick start and safety poster, 1.8 meter USB Type-C to USB Type-C cable, 1.8 meter DP to DP cable, 1.8 meter HDMI to HDMI cable (NA only), 1.8 meter black power cord, 1.8 meter USB Type-C to USB Type-A cable

**Limited Warranty**
3 year

**Available date**
August 2017

**VESA-compliant**
VESA DDC2B/Ci

**Power management**
ENERGY STAR® 7.0

**Ergonomics**
ISO 9241-307

**Emission standards**
FCC Class B

**Environmental**
TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating, ULE Gold

**Accessories**
- Kensington MicroSaver Cable Lock: 73P2582
- Kensington Twin Head Cable Lock: 45K1620
- Lenovo Security Cable Lock: 57Y4303

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)
### SPECIFICATIONS

#### DISPLAY

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Size</td>
<td>32&quot;</td>
</tr>
<tr>
<td>Panel Type</td>
<td>In-Plane Switching</td>
</tr>
<tr>
<td>Backlight</td>
<td>WLED</td>
</tr>
<tr>
<td>Resolution</td>
<td>3840 x 2160</td>
</tr>
<tr>
<td>Aspect Ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Area Dimensions (W x H) (mm)</td>
<td>708.48 (H) x 398.52 (V)</td>
</tr>
<tr>
<td>Maximum Brightness (Typical)</td>
<td>300 cd/m²</td>
</tr>
<tr>
<td>Viewing Angle (H/V at CR 10:1)</td>
<td>178°/178°</td>
</tr>
<tr>
<td>Contrast Ratio (Typical)</td>
<td>1000:1</td>
</tr>
<tr>
<td>Dynamic Contrast Ratio</td>
<td>3M:1</td>
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<tr>
<td>Pixel Pitch (W x H) (mm)</td>
<td>0.1845 (H) x 0.1845 (V)</td>
</tr>
<tr>
<td>Dot/ Pixel Per Inch (DP/ PPI)</td>
<td>137</td>
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<tr>
<td>Color Gamut (1931)</td>
<td>99.5% AdobeRGB</td>
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<tr>
<td>Response Time (Typical)</td>
<td>6 ms</td>
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#### POWER CONSUMPTION

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<thead>
<tr>
<th>Parameter</th>
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</tr>
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<tbody>
<tr>
<td>Typical</td>
<td>70 W</td>
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<tr>
<td>Maximum</td>
<td>200 W</td>
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<tr>
<td>Sleep-Mode</td>
<td>≤0.5 W</td>
</tr>
<tr>
<td>Switch Off-Mode</td>
<td>≤0.5 W</td>
</tr>
<tr>
<td>Power Supply</td>
<td>External</td>
</tr>
<tr>
<td>Power Voltage</td>
<td>90 VAC – 264 VAC</td>
</tr>
<tr>
<td>Voltage Dynamic Frequency</td>
<td>47 Hz – 63 Hz</td>
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</table>

#### SIGNAL INPUT

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Input Signals</td>
<td>2 x HDMI™ 2.0 + DisplayPort™ 1.2 + Thunderbolt™ 3.0-In + Thunderbolt™ 3.0-Out</td>
</tr>
<tr>
<td>Video Cables Supplied</td>
<td>HDMI™, DisplayPort™, Thunderbolt™ 3.0</td>
</tr>
<tr>
<td>Video Cable Length</td>
<td>2 m for Thunderbolt™ 1.8 m for HDMI™ and DisplayPort™</td>
</tr>
<tr>
<td>USB Hub</td>
<td>Yes (4 x Downstream, 1 x BC)</td>
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<tr>
<td>USB Cable Supplied</td>
<td>Yes (USB Type-A to Type-B)</td>
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<tr>
<td>Audio-Out</td>
<td>Yes (3.5 mm)</td>
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</table>

#### SIGNAL INTERFACE / PERFORMANCE

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal Resolution</td>
<td>30 kHz – 160 kHz</td>
</tr>
<tr>
<td>Vertical Frequency</td>
<td>23 Hz – 80 Hz</td>
</tr>
<tr>
<td>Native Resolution</td>
<td>3840 x 2160</td>
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<tr>
<td>Maximum Pixel Clock Speed / Bandwidth</td>
<td>600 MHz</td>
</tr>
<tr>
<td>Preset / User</td>
<td>28 / 20</td>
</tr>
<tr>
<td>OSD Buttons</td>
<td>5 Buttons</td>
</tr>
<tr>
<td>OSD Languages</td>
<td>English, French, German, Spanish, Italian, Japanese, Simplified Chinese, Russian</td>
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#### MECHANICAL

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
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<tbody>
<tr>
<td>Tilt Angle (Front / Back)</td>
<td>-5° / 22°</td>
</tr>
<tr>
<td>Swivel Angle (Left / Right)</td>
<td>45° / 45°</td>
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<tr>
<td>Lift (mm)</td>
<td>110</td>
</tr>
<tr>
<td>(CW / CCW)</td>
<td>90° / 90°</td>
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<tr>
<td>VESA® Mount (mm)</td>
<td>100 x 100</td>
</tr>
<tr>
<td>Kensington® Lock Slot</td>
<td>Yes</td>
</tr>
<tr>
<td>Cable Management</td>
<td>Yes</td>
</tr>
<tr>
<td>Bezel Color</td>
<td>Raven Black</td>
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<tr>
<td>Bezel Width</td>
<td>2 / 0.08&quot;</td>
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#### ENVIRONMENTAL

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<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Temperature</td>
<td>Operating 0°C – 40°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>Operating 8% – 80%</td>
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<tr>
<td>Altitude</td>
<td>Operating 0 ft – 5000 ft</td>
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<tr>
<td>Arsenic-Free Glass</td>
<td>Yes</td>
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<tr>
<td>PVC-Free</td>
<td>Yes</td>
</tr>
<tr>
<td>Mercury-Free</td>
<td>Yes</td>
</tr>
<tr>
<td>PCC % of Plastic Resins</td>
<td>85% with &gt;25 g Plastic Parts</td>
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</table>

#### DIMENSIONS (W x D x H)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size Packed</td>
<td>844 x 228 x 528</td>
</tr>
<tr>
<td>Size Unpacked with Stand</td>
<td>33.23&quot; x 8.98&quot; x 20.79&quot;</td>
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<tr>
<td>Size Unpacked without Stand</td>
<td>726.7 x 350 x 497.8</td>
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<tr>
<td>Size Unpacked without Stand</td>
<td>28.61&quot; x 13.78&quot; x 19.6&quot;</td>
</tr>
<tr>
<td>Distance from Table to Panel</td>
<td>726.7 x 63.3 x 431.5</td>
</tr>
<tr>
<td>Distance from Table to Panel</td>
<td>28.61&quot; x 2.49&quot; x 16.99&quot;</td>
</tr>
</tbody>
</table>

#### SIGNAL INTERFACE / PERFORMANCE

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
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<tbody>
<tr>
<td>Distance from Table to Panel</td>
<td>90.9 / 3.58&quot;</td>
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<tr>
<td>Distance from Table to Panel</td>
<td>489.4 / 19.27&quot;</td>
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<tr>
<td>Stand Base Footprint Area</td>
<td>350 x 350 / 13.78&quot; x 13.78&quot;</td>
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<tr>
<td>Weight</td>
<td>Starting at 29.32 lbs (13.3 kg)</td>
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<tr>
<td>Weight</td>
<td>Starting at 22.05 lbs (10 kg)</td>
</tr>
<tr>
<td>Monitor Head Only</td>
<td>Starting at 15.21 lbs (6.9 kg)</td>
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#### COMPLIANCE

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<thead>
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<th>Parameter</th>
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<tr>
<td>EPEAT™</td>
<td>Gold</td>
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<tr>
<td>ENERGY STAR® Rating</td>
<td>7.0</td>
</tr>
<tr>
<td>TCO</td>
<td>TCO 7.0 / TCO Edge 2.0</td>
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<tr>
<td>Windows Certification</td>
<td>Windows 7 / Windows 10</td>
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<tr>
<td>China Energy Efficiency Standard</td>
<td>Tier 2</td>
</tr>
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</table>

#### WARRANTY AND AVAILABILITY

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warranty</td>
<td>3 Years</td>
</tr>
<tr>
<td>Geography Availability</td>
<td>WW</td>
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</tbody>
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## Lenovo ThinkVision Pro2820 Wide

### Product Specifications Reference (PSREF)

<table>
<thead>
<tr>
<th>Name</th>
<th>Pro2820 Wide Flat Panel Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case color</td>
<td>Black</td>
</tr>
<tr>
<td>Type-model</td>
<td>60FCRAR6US / 60FCRAT6EU</td>
</tr>
<tr>
<td>Panel</td>
<td>TFT-LCD, with wide viewing angle (WVA) technology, White LED backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>28” (711mm) diagonal</td>
</tr>
<tr>
<td>Max view area (W x H)</td>
<td>24.44” x 13.44” (620.9mm x 341.3mm)</td>
</tr>
<tr>
<td>Optimum resolution</td>
<td>1920x1080</td>
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<tr>
<td>Frequency</td>
<td>Supports 1920 x 1080 @ 60Hz</td>
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<tr>
<td>Aspect ratio</td>
<td>16:9</td>
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<tr>
<td>Dot/Pixel per Inch</td>
<td>79 dpi</td>
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<tr>
<td>Brightness</td>
<td>300 nits or cd/m² (typical)</td>
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<tr>
<td>Contrast ratio</td>
<td>3000:1 (typical)</td>
</tr>
<tr>
<td>Pixel response time</td>
<td>6.5ms</td>
</tr>
<tr>
<td>Color gamut</td>
<td>72%</td>
</tr>
<tr>
<td>Viewing angle at 10:1 CR</td>
<td>178° horizontal, 178° vertical</td>
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<tr>
<td>Stand</td>
<td>Tilt, swivel, and height adjustable stand</td>
</tr>
<tr>
<td>Bezel width</td>
<td>Sides: 0.86” (21.85mm)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>(h x W x D, excluding stand) 443.3mm H x 665.9mm W x 58.2mm D</td>
</tr>
<tr>
<td>Dimensions</td>
<td>(h x W x D, including stand) 443.3mm H x 665.9mm W x 289.9mm D</td>
</tr>
<tr>
<td>Power supply</td>
<td>60 watts typical, 90 watts typical (with USB), 65 watts maximum, 95 watts maximum (with USB), &lt;1.2 watts sleep/off; &lt;0.5 watts switch off integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td>Weight</td>
<td>17.84 lb; 8.11kg (including stand)</td>
</tr>
<tr>
<td>Limited warranty</td>
<td>3 year (includes backlight)</td>
</tr>
<tr>
<td>Available date</td>
<td>September 2014</td>
</tr>
</tbody>
</table>

#### Features
- 28-inch MVA (Multi-domain Vertical Alignment) panel LED backlit monitor
- Supports 1920x1080 resolution
- 5-Ports USB hub, support USB 3.0
- Arsenic/Mercury free
- Microsoft® Windows® 7
- Windows 8/Windows 8.1 certified

---

### Preset resolutions

| VGA: | 640x480, 720x400 |
| SVGA: | 800x600 |
| XGA: | 1024x768, 1024x760 |
| SXGA: | 1280x1024 |
| WXGA: | 1280x720, 1280x800, 1366x768 |
| WXGA+: | 1440x900, 1600x900 |
| WSXGA+: | 1680x1050 |
| Full HD: | 1920x1080 |
| Others: | 1152x864 |

### Presets / user settings

- Standard presets: 17; user settings: 17

### Viewing adjustments

- Tilt: 25° back, -5° forward; lift: 4.3° (110mm); swivel: +/-45°

### Rotating screen

- Screen pivots 90 degrees from landscape to portrait

### Control features

- Direct access (touch buttons on front) for automatic image setup, input switch, and brightness
- USB hub: one USB 3.0 upstream port, four USB 3.0 downstream ports
- Multimedia: None
- Camera: None

### Multiple input

- Support VGA, HDMI, DisplayPort, MHL connections (Mobile High-definition Link)

### Monitor connectors

1. VGA 15-pin D-shell, analog
2. HDMI (1.4), digital, HDCP-compliant
3. DisplayPort (1.2), digital, HDCP-compliant
4. Detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
5. Detachable, DisplayPort at each end, digital, 1.8 meter

### Mounting features

- Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount) lock-compatible

### Security

- Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

### Ship group

- Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter VGA cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord

### Limited Warranty


### Accessories

- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620
- Lenovo Security Cable Lock 57Y4303

See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)

Lenovo
August 2014
# ThinkVision® S27i-10

## DISPLAY
- **Panel Size**: 27 inch
- **Screen Dimensions (H x V) (mm)**: 597.89 (H) × 336.31 (V)
- **Panel Type**: In-Plane Switching
- **Backlight**: WLED
- **Aspect Ratio**: 16:9
- **Resolution**: 1920 x 1080
- **Pixel Pitch (H x V) (mm)**: 0.3110 × 0.3110
- **Viewing angle (H x V)**: 178°/178°
- **Response Time (gray to gray)**: 4 ms (extreme mode), 6 ms (normal mode)
- **Contrast Ratio (typical)**: 1000:1
- **Dynamic Contrast Ratio (typical)**: 3M:1
- **Color Gamut NTSC (CIE 1931)**: 72%
- **Color Support**: 16.7M

## CONNECTIVITY
- **Video Input Signals**: VGA + HDMI 1.4
- **Video Cable Length**: 1.8 m
- **Audio Out**: Yes (3.5 mm)

## MULTI-MEDIA
- **Optional Soundbar Support**: Yes

## DIMENSIONS
- **Size Packed (D x H x W) (mm/inch)**: 132 x 455 x 715 mm / 5.20 x 17.91 x 28.15 inch
- **Size Unpacked w/stand (D x H x W) (mm/inch)**: (Lowest Position) 220.0 x 443.5 x 611.9 mm / 8.66 x 17.46 x 24.10 inch
- **Size Unpacked w/stand (D x H x W) (mm/inch)**: (Highest Position) 220.0 x 443.5 x 611.9 mm / 8.66 x 17.46 x 24.10 inch
- **Size Unpacked w/o stand (D x H x W) (mm/inch)**: (Head Only) 46.2 x 366.5 x 611.9 mm / 1.82 x 14.43 x 24.10 inch
- **Weight Packed (kg/lbs.)**: 6.80kg / 14.99 lbs.
- **Weight Unpacked (kg/lbs.)**: 4.76kg / 10.49 lbs.
- **Weight (Monitor Head Only) (kg/lbs.)**: 4.22kg / 9.30 lbs.

## SPECIAL FEATURES
- **Anti-Glare**: Yes
- **Thin Client Support (Tiny)**: Yes (by VESA mount PN:4XF0N03161)

## MECHANICAL
- **Tilt Angle (front/back)**: -5° / 22°
- **VESA Mount**: Yes (100 mm)
- **Kensington™ Lock Slot**: Yes

## TÜV Eye Confort Certification
- Yes

## WHAT’S IN THE BOX
- Monitor with stand
- 1 x HDMI Cable
- 1 x VGA Cable (AP, EMEA only)
- 1 x Power Cable
- Quick setup guide

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Specifications may vary depending upon region.
## DISPLAY

**Panel Size**
27 inch

**Screen Dimensions (H x V) (mm)**
597.89 (H) × 336.31 (V)

**Panel Type**
In-Plane Switching

**Backlight**
WLED

**Aspect Ratio**
16:9

**Resolution**
1920 x 1080

**Pixel Pitch (H x V) (mm)**
0.3110 × 0.3110

**Viewing angle (H x V)**
178°/ 178°

**Response Time (gray to gray)**
4 ms (extreme mode)
6 ms (normal mode)

**Contrast Ratio (typical)**
1000:1

**Dynamic Contrast Ratio (typical)**
3M:1

**Color Gamut NTSC (CIE 1931)**
72%

**Color Support**
16.7M

---

## CONNECTIVITY

**Video Input Signals**
VGA + HDMI 1.4 + DP 1.2

### USB Hub
- Yes
- 1 x USB 3.0 (Upstream)
- 4 x USB 3.0 (Downstream, incl. 1BC)

### Cable Length
1.8 m

### Audio Out
Yes (3.5 mm)

### Power Consumption
- 22W (Typical) / 58W (max) at On mode;
- <0.5W at Sleep mode; <0.3W at Switch off mode

---

## SPECIAL FEATURES

**Anti-Glare**
Yes

**Thin Client Support (Tiny)**
Yes
(by Tiny Clamp Bracket Kit+VESA mount PN:4XF0N82412+
PN:4XF0N03161)

## MECHANICAL

**Tilt Angle (front/back)**
-5°/30°

**Swivel Angle (left/right)**
-45°/+45°

**Lift (Max range)**
110 mm

**Pivot**
-90°/90°

**VESA Mount**
Yes (100 mm)

**Kensington™ Lock Slot**
Yes

**Cable Management**
Yes

**Bezel Color**
Raven Black

**Bezel Width (Side)**
2.0 mm

---

## WHAT’S IN THE BOX

- Monitor with stand
- 1 x Power cable
- 1 x DP-DP cable
- 1 x HDMI cable (NA only)
- 1 x USB 3.0 cable
- Quick setup guide

---

## CERTIFICATIONS

**ENERGY STAR Rating**
7.0

**CCC**
Yes

**TCO**
7.0

**EPEAT™**
Gold

**ULE**
Gold

**Windows Certification**
Windows 7, Windows 10

**China Energy Efficiency Standard**
Tier 2

**Ambient Operating Temperature**
0°C to 40°C

**Eye Comfort Certification**
Yes

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Specifications may vary depending upon region.
### Features
- 27-inch IPS LED backlit monitor with speaker
- Supports 3840x2160 resolution
- 5-Ports USB hub, support USB Type-C
- 3watts x 2 stereo speakers
- Microsoft® Windows® 7 certified
- Microsoft® Windows® 10 certified

### ThinkVision X1 Monitor

<table>
<thead>
<tr>
<th>Name</th>
<th>X1 Wide Flat Panel Monitor</th>
</tr>
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<tbody>
<tr>
<td>Case color</td>
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<tr>
<td>Type-model</td>
<td>60E2GAR1US / 60E2GAT1US / 60E2GAT1EU</td>
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<tr>
<td>Panel</td>
<td>TFT-LCD, IPS (In-Plane Switching), White LED backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>27&quot; (684.7mm) diagonal</td>
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<tr>
<td>Max view area (W x H)</td>
<td>23.49&quot; x 13.21&quot; (596.7mm x 335.7mm)</td>
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<tr>
<td>Optimum resolution</td>
<td>3840x2160</td>
</tr>
<tr>
<td>Max pixel rate</td>
<td>600MHz</td>
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<tr>
<td>Aspect ratio</td>
<td>16:9</td>
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<tr>
<td>Pixel pitch (mm)</td>
<td>0.16 x 0.16mm</td>
</tr>
<tr>
<td>Dot/Pixel per Inch</td>
<td>163 dpi</td>
</tr>
<tr>
<td>Brightness</td>
<td>300 nits or cd/m² (typical)</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>1300:1 (typical)</td>
</tr>
<tr>
<td>Pixel response time</td>
<td>6ms</td>
</tr>
<tr>
<td>Color gamut</td>
<td>99%</td>
</tr>
<tr>
<td>Viewing angle at 10:1 CR</td>
<td>178° horizontal, 178° vertical</td>
</tr>
<tr>
<td>Stand</td>
<td>Tilt stand</td>
</tr>
<tr>
<td>Bezel width</td>
<td>Sides: 0.088&quot; (2.23mm)</td>
</tr>
<tr>
<td>Dimensions (HxWxD, including stand)</td>
<td>491.4mm H x 614.5mm W x 270.0mm D</td>
</tr>
<tr>
<td>Power supply</td>
<td>40 watts typical, 130 watts maximum (with USB), &lt;0.5 watts sleep/off; &lt;0.5 watts switch off</td>
</tr>
<tr>
<td>Weight</td>
<td>14.11 lb; 6.40kg (including stand)</td>
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<tr>
<td>Limited warranty</td>
<td>3 year</td>
</tr>
<tr>
<td>Available date</td>
<td>March 2016</td>
</tr>
</tbody>
</table>

### Preset resolutions
- VGA: 640x350, 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768, 1152x864
- SXGA: 1280x1024
- WXGA: 1280x720, 1280x768, 1280x800, 1360x768
- WXGA+: 1440x900, 1600x900
- WSXGA+: 1680x1050
- Full HD: 1920x1080, 1920x1200
- UHD: 3840x2160

### Presets / user settings
- Standard presets: 20; user settings: 20

### Viewing adjustments
- Tilt: 22° back, -5° forward;
- Rotating screen: None
- On screen display: On screen display with digital user controls (8 languages)
- Control features: Direct access (touch buttons on front) for menu, mute, volume up/down, and brightness
- USB hub: USB Hub: one USB 3.1 Type-C upstream port, four USB 3.0 Type-A downstream ports
- Multimedia: Integrated stereo speakers (3 watts x 2), built-in microphone
- Camera: Full HD camera with LED light
- Multiple input: Support HDMI, DisplayPort
- Monitor connectors: (1) HDMI (1.4), digital, HDCP-compliant
- (2) DisplayPort (1.2), digital, HDCP-compliant
- Signal cables: (1) detachable, HDMI at each end, digital, 1.8 meter
- (2) detachable, DisplayPort at each end, digital, 1.8 meter
- Mounting features: Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
- Security: Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

### Ship group
- Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter HDMI cable, 1.8 meter USB Type-C cable, 1.8 meter USB Type-C to Type-A cable, 1.8 meter black power cord, mini DP to DP adapter, power adapter (135W)

### Limited Warranty

### Accessories
- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620
- Lenovo Security Cable Lock 57Y4303
- See details at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)
- See all monitors at [www.lenovo.com/thinkvision](http://www.lenovo.com/thinkvision)
Pushing the limit of screen share ratio with innovative technology, the 27" Lenovo™ ThinkVision® X1 (2nd GEN) display brings full-screen and ultra-slim appearance in elegant design. With 4K resolution and >99% sRGB color gamut, you will be assured of excellent watching experience and Thunderbolt™ 3 interface will bring the best user experience. "Motor" camera is first used on monitor, which will move up and down automatically and with it you will own standard VoIP system.

**WHY YOU SHOULD BUY THE LENOVO THINKVISION X1 (2nd GEN) MONITOR**

**Full-screen appearance**
With world’s slimmest (4.7 mm) 27" 4K TBT monitor you will experience full-screen 4-side Near-Edgeless display with the screen ratio of approximately 93%. The monitor also comes with a metal stand and a base.

**Brilliant performance**
The 4K UHD IPS screen displays 3840 x 2160 resolution at 60 Hz, 99% sRGB color gamut, 10-bit depth, with 1.07 billion color support assures you stunning visuals and superb color experience.

**Convenient user experience**
Total versatility with Thunderbolt™ 3 interface supporting 4K + USB 3.0 & 45W PD + motor-camera with dual-array microphone. A Think RedDot tracking button is integrated in the back cover.

**THE LENOVO THINKVISION X1 (2nd GEN) MONITOR IS BEST SUITED FOR**

1. The Executives and CXO of company.
2. SOHO and Gold Collars with high income.
3. Trendsetters who pursue an extreme and forefront monitor.
**SPECIFICATIONS**

### DISPLAY

- **Panel Size**: 27"
- **Panel Type**: IPS
- **Brightness**: 350 cd/m²
- **Resolution**: 3840 (H) x 2160 (V)
- **Aspect Ratio**: 16:9
- **Anti-Glare**: Yes
- **Screen Dimensions (W x H) (mm)**: 596.7 (H) x 335.7 (V)
- **Maximum Brightness (Typical)**: 350 cd/m²
- **Viewing Angle (H/V at CR 10:1)**: 178°/178°
- **Contrast Ratio (Typical)**: 1000:1
- **Dynamic Contrast Ratio**: 3:1
- **Pixel Pitch (W x H) (mm)**: 0.1554 x 0.1554
- **Dot/Pixel Per Inch (DP/PPI)**: 163
- **Color Gamut**: (CIE 1931) 99% sRGB
- **Response Time (Extreme/Typical/Off)**: 4/6/14 ms (G-to-G)

### POWER CONSUMPTION

- **Typical**: 65 W
- **Maximum**: 135 W
- **Sleep-Mode**: 0.5 W
- **Switch Off-Mode**: 0.5 W
- **Power Supply**: External
- **Power Voltage**: 100 VAC - 240 VAC
- **Voltage Dynamic Frequency**: 50 Hz - 60 Hz

### SIGNAL INPUT

- **Video Input Signals**: DisplayPort™ 1.2 + HDMI™ 2.0 + Thunderbolt™ 3
- **Video Cables Supplied**: HDMI™ + Thunderbolt™ 3
- **Video Cable Length**: 1.8 m
- **USB Hub**: Yes (4 x USB 3.0)
- **USB Cable Supplied**: N/A
- **Audio-Jack**: Yes

### SIGNAL INTERFACE / PERFORMANCE

- **Horizontal Frequency**: 30 kHz - 136 kHz
- **Vertical Frequency**: 30 Hz - 60 Hz
- **Native Resolution**: 3840 x 2160
- **Maximum Pixel Clock Speed/ Bandwidth**: 30 Gbps
- **Default Color Temperature**: 6500K
- **Preset Modes**: 24
- **OSD Buttons**: 2 Buttons + Tracking Point
- **OSD Languages**: English, French, Italian, German, Spanish, Japanese, Chinese, Russian

### MECHANICAL

- **Tilt Angle (Front / Back)**: -5° / 30°
- **Swivel Angle (Left / Right)**: N/A
- **Lift (mm)**: N/A
- **Pivot**: N/A
- **VESÁ Mount (mm)**: N/A
- **Kensington® Lock Slot**: Yes
- **Cable Management**: Yes
- **Bezel Color**: N/A
- **Bezel Width**: N/A
- **Top (mm / inches)**: 1.2 / 0.05"
- **Bottom (mm / inches)**: 1.2 / 0.05"
- **Side (mm / inches)**: N/A

### ENVIRONMENTAL

- **Temperature**: Operating: 0°C - 45°C, Non-Operating: -20°C - 60°C
- **Humidity**: Operating: 8% - 80%, Non-Operating: 5% - 95%
- **Altitude**: Operating: 40,000 ft, Non-Operating: 16,000 ft
- **Arsenic-Free Glass**: Yes
- **PVC-Free**: Yes (W/O cable)
- **Mercury-Free**: Yes
- **PCC % of Plastic Resins**: 25%

### DIMENSIONS (W x D x H)

- **Size Packed**: 718 x 140 x 470 (mm), 28.27" x 5.51" x 18.5" (inches)
- **Size Unpacked with Stand**: 609.74 x 234.81 x 474.76 (mm), 24" x 9.24" x 18.69" (inches)
- **Size Unpacked without Stand (Monitor Head Only)**: 609.74 x 32.7 x 351.71 (mm), 24.0" x 1.29" x 13.85" (inches)
- **Distance from Table to Panel**:
  - Lowest Pixel at Bottom of Screen: 134 / 5.276 (mm / inches)
  - Highest Pixel at Top of Screen: 450 / 17.717 (mm / inches)
- **Stand Base Footprint Area**: 234.81 x 234.81 (mm), 9.24" x 9.24" (inches)
- **Weight**:
  - Packed: Starting at 18.45 lbs (8.37 kg)
  - Unpacked: Starting at 12.21 lbs (5.54 kg)
  - Monitor Head Only: Starting at 9.46 lbs (4.29 kg)

### COMPLIANCE

- **EPEAT™**: Silver
- **ENERGY STAR® Rating**: 7.0
- **ULE**: Silver
- **TCO®**: 7.0
- **RoHS**: Yes
- **Windows Certification**: Windows 10
- **China Energy Label**: Grade 2

### WARRANTY AND AVAILABILITY

- **Warranty**: 3 Years
- **Geography Availability**: WW
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Limited warranty: Support unrelated to a warranty issue may be subject to additional charges.

**Lenovo Services:**

**Carry-in or Mail-in Service:** Parts and labor repair coverage where the customer is responsible for shipping (including packaging) or delivery to authorized warranty provider or repair center.

**Depot or Courier Service:** Parts and labor repair coverage where shipping (including packaging) or delivery to the repair center is paid for by Lenovo.

**Expedited Depot:** Parts and labor coverage with expedited turnaround. Shipping (including packaging) or delivery to the repair center is paid for by Lenovo.

**Onsite / In-home Service:** Parts and labor repair coverage where labor is provided onsite at your place of business.

If Lenovo determines your product problem is covered by the product warranty and cannot be resolved over the telephone, a technician will be dispatched to arrive onsite, typically the next day.


**Included software:** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

**Battery life:** Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.


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