Product Specifications Reference
Lenovo and ThinkVision Monitors
2013 to present - withdrawn

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</tr>
</thead>
<tbody>
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<td>Name</td>
<td>D186 Wide Flat Panel Monitor</td>
</tr>
<tr>
<td>Case color</td>
<td>Business black</td>
</tr>
<tr>
<td>Type-model</td>
<td>2580-AB1</td>
</tr>
<tr>
<td>Panel</td>
<td>TFT-LCD, twisted nematic (TN), CCFL backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>18.5&quot; (470mm) diagonal</td>
</tr>
<tr>
<td>Max view area (W x H)</td>
<td>16.1&quot; x 9.1&quot; / 409.8mm x 230.4mm</td>
</tr>
<tr>
<td>Optimum resolution</td>
<td>1366x768 at 60Hz</td>
</tr>
<tr>
<td>Maximum resolution</td>
<td>1366x768 at 60Hz (135MHz max pixel rate)</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>.300mm</td>
</tr>
<tr>
<td>Dot/Pixel per inch</td>
<td>85 dpi</td>
</tr>
<tr>
<td>Brightness</td>
<td>200 nits or cd/m² (typical)</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>600:1 (typical)</td>
</tr>
<tr>
<td>Pixel response time</td>
<td>5ms (typical)</td>
</tr>
<tr>
<td>Color gamut</td>
<td>67%</td>
</tr>
<tr>
<td>Anti-reflective</td>
<td>Anti-reflective, anti-glare</td>
</tr>
<tr>
<td>Viewing angle at 10:1 CR</td>
<td>90° (+/-45°) horizontal, 50° (+/-25°) vertical</td>
</tr>
<tr>
<td>Stand</td>
<td>Tilt adjustable stand</td>
</tr>
<tr>
<td>Bezel width</td>
<td>Sides: 0.61&quot; (15.6mm); top: 0.67&quot; (17.1mm); bottom: 1.19&quot; (30.1mm)</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>14.6&quot; H x 17.4&quot; W x 8.3&quot; D; 370mm H x 442mm W x 210mm D</td>
</tr>
<tr>
<td>Power supply</td>
<td>16 watts typical, 24 watts maximum, &lt;1 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td>Weight</td>
<td>7.28 lb; 3.3kg</td>
</tr>
<tr>
<td>Limited warranty (includes backlight)</td>
<td>3 years</td>
</tr>
<tr>
<td>Available date</td>
<td>January 2010</td>
</tr>
<tr>
<td>VESA-compliant</td>
<td>VESA DDC2B/Ci, VESA DPMS-compliant</td>
</tr>
<tr>
<td>Power management</td>
<td>None</td>
</tr>
<tr>
<td>Ergonomics</td>
<td>None</td>
</tr>
<tr>
<td>Pixel defect</td>
<td>ISO 9241-307 pixel defect standard</td>
</tr>
<tr>
<td>Emission standards</td>
<td>FCC Class B</td>
</tr>
<tr>
<td>Environmental</td>
<td>WEEE, RoHS (EU Directive 2002/95/EC)</td>
</tr>
<tr>
<td>Preset resolutions</td>
<td>VGA: 640x350, 640x480, 720x400</td>
</tr>
<tr>
<td>View settings:</td>
<td>20; user settings: 16</td>
</tr>
<tr>
<td>Viewing adjustments</td>
<td>20° back, -5° forward; no lift; no swivel; detachable stand</td>
</tr>
<tr>
<td>Control features</td>
<td>Direct access (control buttons on front) for automatic image setup and adjustment for brightness</td>
</tr>
<tr>
<td>USB hub</td>
<td>None</td>
</tr>
<tr>
<td>Multiple input</td>
<td>None</td>
</tr>
<tr>
<td>Monitor connectors</td>
<td>VGA 15-pin D-shell, analog, blue</td>
</tr>
<tr>
<td>Signal cables</td>
<td>Detachable, VGA 15-pin D-shell at each end, analog, 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 FPMPMII (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, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter black power cord</td>
</tr>
</tbody>
</table>

**Lenovo D186 Wide Monitor**

| Limited Warranty                           | 3 year limited warranty                                               |
| International Warranty Service             | 3 year limited warranty                                               |
| Replacement normally arrives in two business days, excluding holidays | Replacement normally arrives in two business days, excluding holidays |
| Lenovo pays all shipping costs for valid warranty claims | Lenovo pays all shipping costs for valid warranty claims |
| Service upgrade options:                   | 3 year, on site exchange, Mon-Fri 9-5 with next day response (41C9209) |
|                                             | 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) |
|                                             | 4 year, mail exchange (51J0589)                                       |
|                                             | 5 year, mail exchange (51J0590)                                       |
| 24x7 day toll-free support for warranty issues during the warranty period* | 24x7 day toll-free support for warranty issues during the warranty period* |

See footnotes for important warranty information

US model announced January 12, 2010
US model withdrawn effective October 31, 2013

© Lenovo (D186) December 2013
### Flat Panel Monitors - US model

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>L197 Wide Flat Panel Monitor</td>
</tr>
<tr>
<td>Case color</td>
<td>Business black</td>
</tr>
<tr>
<td>Type-model</td>
<td>4434-HE1</td>
</tr>
<tr>
<td>Stand</td>
<td>Tilt stand</td>
</tr>
<tr>
<td>Screen</td>
<td>LCD Active Matrix TFT (Thin Film Transistor)</td>
</tr>
<tr>
<td>Viewable image size (diagonal)</td>
<td>19.0* / 431mm (diagonal)</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:10</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>16.1* x 10.0* (horizontal x vertical)</td>
</tr>
<tr>
<td>Max view area (horizontal)</td>
<td>160* vertical, 170* horizontal</td>
</tr>
<tr>
<td>Max view area (vertical)</td>
<td>408mm x 255mm</td>
</tr>
<tr>
<td>Video input</td>
<td>Digital or analog (two separate connectors)</td>
</tr>
<tr>
<td>Dual input</td>
<td>Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</td>
</tr>
<tr>
<td>Rotating screen</td>
<td>No pivot</td>
</tr>
<tr>
<td>On-screen display</td>
<td>On screen display with digital user controls (7 languages)</td>
</tr>
<tr>
<td>Control features</td>
<td>Direct access (buttons on front) for automatic image setup</td>
</tr>
<tr>
<td>Monitor connectors</td>
<td>Two connectors:</td>
</tr>
<tr>
<td></td>
<td>(1) analog VGA 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital (not analog) attach [white], HDCP-compliant</td>
</tr>
<tr>
<td>Signal cables</td>
<td>Two cables:</td>
</tr>
<tr>
<td></td>
<td>(1) detachable, VGA 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor (2) detachable digital, DVI-D at each end (for digital connector), 1.8 meter, matches color of monitor</td>
</tr>
<tr>
<td>Anti-reflective</td>
<td>Anti-reflective, anti-glare</td>
</tr>
<tr>
<td>Dimensions</td>
<td>15.0*H x 17.3*W x 7.0*D / 381mm height x 440mm width x 179mm depth</td>
</tr>
<tr>
<td>Weight</td>
<td>9.1*5b / 4.15kg</td>
</tr>
<tr>
<td>Viewing adjustments</td>
<td>Tilt: 30° back, 4° forward / no lift, no swivel, detachable stand</td>
</tr>
<tr>
<td>Mounting features</td>
<td>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMII (100mm mount)</td>
</tr>
<tr>
<td>Security</td>
<td>Security keyhole for attachment of optional cable lock (Kensington\® lock-compatible)</td>
</tr>
<tr>
<td>VESA-compliant\®</td>
<td>VESA DDC2B/Ci, VESA DPMS-compliant</td>
</tr>
<tr>
<td>Power management</td>
<td>ENERGY STAR\® 5.0</td>
</tr>
<tr>
<td>Ergonomics</td>
<td>ISO 13406 Part 2</td>
</tr>
<tr>
<td>Pixel defect</td>
<td>ISO 13406-2 Class II pixel defect standard</td>
</tr>
<tr>
<td>Emission standards</td>
<td>MPR-2, MPR-3A, FCC Class B</td>
</tr>
<tr>
<td>Environmental</td>
<td>TCO 03, WEEE, RoHS (EU Directive 2002/95/EC), EPEAT\® Gold rating</td>
</tr>
<tr>
<td>Ship group</td>
<td>Monitor, attached stand, Setup Guide, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, digital signal cable, 1.8m black power cord</td>
</tr>
<tr>
<td>Power supply</td>
<td>90-264Vac (universal), integrated (no external brick-like power supply), 22 watts typical, &lt;2 watts standby/suspend</td>
</tr>
<tr>
<td>Limited warranty\®</td>
<td>3 year (includes backlight)</td>
</tr>
<tr>
<td>Available date</td>
<td>April 2008</td>
</tr>
</tbody>
</table>

### Limited Warranty

- **3 year limited warranty\®**
- **International Warranty Service\®**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims\®**
- **Service upgrade options:**
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response**
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response**
  - **4 year, mail exchange**
  - **5 year, mail exchange**
- **24x7** day toll-free support for warranty issues during the warranty period

### 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)
# Lenovo ThinkVision L1711p - withdrawn

**Product Specifications Reference (PSREF)**

### Features
- Regular screen 17-inch monitor
- Supports SXGA 1280x1024 resolution
- Ergonomic stand tilts and provides a 4.3° (110mm) range height adjustment for comfortable viewing
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Reduces mercury content by 50% and arsenic free glass
- Up to 70% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

## ThinkVision L1711p Monitor

### Features
- Regular screen 17-inch monitor
- Supports SXGA 1280x1024 resolution
- Ergonomic stand tilts and provides a 4.3° (110mm) range height adjustment for comfortable viewing
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Reduces mercury content by 50% and arsenic free glass
- Up to 70% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

### Specifications

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<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>L1711p Flat Panel Monitor</td>
</tr>
<tr>
<td>Case color</td>
<td>Business black</td>
</tr>
<tr>
<td>Type-model</td>
<td>5047-HB2</td>
</tr>
<tr>
<td>Panel</td>
<td>TFT-LCD, twisted nematic (TN), CCFL backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>17.0&quot; (432mm) diagonal</td>
</tr>
<tr>
<td>Max view area (W x H)</td>
<td>13.3&quot; x 10.6&quot; (337.9mm x 270.3mm)</td>
</tr>
<tr>
<td>Optimum resolution</td>
<td>1280x1024 at 60Hz</td>
</tr>
<tr>
<td>Maximum resolution</td>
<td>1280x1024 at 75Hz (165MHz max pixel rate)</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>5:4</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>0.264mm</td>
</tr>
<tr>
<td>Dot/Pixel per inch</td>
<td>96 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>5ms (typical)</td>
</tr>
<tr>
<td>Color gamut</td>
<td>72%</td>
</tr>
<tr>
<td>Anti-reflective</td>
<td>Anti-reflective, anti-glare</td>
</tr>
<tr>
<td>Vertical frequency</td>
<td>50 to 75Hz</td>
</tr>
<tr>
<td>Horizontal frequency</td>
<td>30 to 83kHz</td>
</tr>
<tr>
<td>Viewing angle at 10:1 CR</td>
<td>160° (+/- 80°) horizontal, 160° (+/- 80°) vertical</td>
</tr>
<tr>
<td>Stand</td>
<td>Tilt height adjustable stand</td>
</tr>
<tr>
<td>Bezel width</td>
<td>Side: 0.6&quot; (15.3mm); top: 0.72&quot; (18.4mm); bottom: 1.11&quot; (28.1mm)</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>16.20-20.33&quot; H x 14.6&quot; W x 6.1&quot; D; 405.7-515.7mm H x 370mm W x 155.2mm D</td>
</tr>
<tr>
<td>Power supply</td>
<td>18 watts typical, 21 watts maximum, &lt;1 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td>Weight</td>
<td>9.5 lb; 4.21kg</td>
</tr>
<tr>
<td>Limited warranty</td>
<td>3 year (includes backlight)</td>
</tr>
<tr>
<td>Available date</td>
<td>November 2009</td>
</tr>
<tr>
<td>VESA-compliant</td>
<td>VESA DDC2B/Ci, VESA DPMS-compliant</td>
</tr>
<tr>
<td>Power management</td>
<td>ENERGY STAR® 5.0</td>
</tr>
<tr>
<td>Ergonomics</td>
<td>ISO 9241-307</td>
</tr>
<tr>
<td>Emission standards</td>
<td>MPR-2, MPR-3A, FCC Class B</td>
</tr>
<tr>
<td>Environmental</td>
<td>TCO (TCO Displays 5.0), 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</td>
</tr>
<tr>
<td></td>
<td>SXGA: 1280x1024</td>
</tr>
<tr>
<td>Presets / user settings</td>
<td>Standard presets: 17; user settings: 22</td>
</tr>
<tr>
<td>Viewing adjustments</td>
<td>Tilt: 20° back, -3° forward; lift: 4.3° (110mm); detachable stand</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</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 meeting the VESA FPMPMI® (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, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord</td>
</tr>
</tbody>
</table>

### Limited Warranty

- **3 year limited warranty**
  - Replacement normally arrives in two business days, excluding holidays
  - Lenovo pays all shipping costs for valid warranty claims
  - Service upgrade options:
    - **3 year, on site exchange, Mon-Fri 9-5 with next day response**
    - **4 year, on site exchange, Mon-Fri 9-5 with next day response**
    - **4 year, mail exchange**
    - **5 year, mail exchange**
  - **24x7** day toll-free support for warranty issues during the warranty period

### Accessories

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

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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US model announced October 20, 2009

US model withdrawn effective August 1, 2013
Lenovo ThinkVision L1900p - withdrawn

Product Specifications Reference (PSREF)

Name: L1900p Flat Panel Monitor
Case color: Business black
Type-model: 4431-HE1
Panel: TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size: 19.0” (483mm) diagonal
Max view area (W x H): 14.8” x 11.85” (376mm x 301mm)
Optimum resolution: 1280x1024 at 60Hz
Maximum resolution: 1280x1024 at 75Hz (135MHz max pixel rate)
Aspect ratio: 5:4
Pixel pitch (mm): .294mm
Dot/Pixel per Inch: 86 dpi
Brightness: 250 nits or cd/m² (typical)
Contrast ratio: 800:1 (typical)
Pixel response time: 5ms (typical)
Color gamut: 72%
Anti-reflective: Anti-reflective, anti-glares
Vertical frequency: 56 to 76Hz
Horizontal frequency: 30 to 81kHz
Viewing angle at 10:1 CR: 160° (+/- 80°) horizontal, 160° (+/- 80°) vertical
Stand: Tilt, swivel, pivot, and height adjustable stand
Bezel width: Sides: 0.6” (15.3mm); top: 0.66” (16.8mm); bottom: 1.05” (26.8mm)
Dimensions (HxWxD): 14.9-19.2” H x 16.1” W x 7.4-9.5” D; 378.7-488.7mm H x 408mm W x 188-241.1mm D
Power supply: 17 watts typical, 24 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight: 12.5 lbs; 5.7kg
Limited warranty: 3 year (includes backlight)
Available date: November 2008

VESA-compliant: VESA DDC2B/Ci, VESA DPMS-compliant
Power management: ENERGY STAR® 5.0
Ergonomics: ISO 13406 Part 2
Pixel defect: ISO 13406-2 Class II pixel defect standard
Emission standards: MPR-2, MPR-3A, FCC Class B
Environmental: TCO 03, WEEE, RoHS (EU Directive 2002/95/EC), EPEAT™ Gold rating, GREENGUARD certified

Preset resolutions:
- VGA: 640x350, 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768
- SXGA: 1280x1024

Presets / user settings:
- Standard presets: 21;
- user settings: 17

Viewing adjustments:
- Tilt: 30° back, 0° forward; lift: 4.3” (110mm); swivel: +/-45°; detachable stand
- Rotating screen: Screen pivots 90 degrees from landscape to portrait (requires image rotation support from graphics controller)
- On screen display: On screen display with digital user controls (8 languages)
- Control features: Direct access (buttons on front) for automatic image setup
- Multiple input: Multiple 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 meeting the VESA FPMPMI (100mm mount)
  - Security:
  - Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group:
- Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User’s Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty
- 3 year limited warranty
- International Warranty Service
- Replacement normally arrives in two business days, excluding holidays
- Lenovo pays all shipping costs for valid warranty claims
- Service upgrade options:
  - 3 year, on site exchange, Mon-Fri 9-5 with next day response (Lenovo Services part number 41C9209)
  - 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233)
  - 4 year, mail exchange (51J0589)
  - 5 year, mail exchange (51J0590)
- 24x7® day toll-free support for warranty issues during the warranty period

See all monitors at www.lenovo.com/monitoraccessories
See details at www.lenovo.com/support/monitoraccessories
### Lenovo ThinkVision L2250p Wide - withdrawn

#### Features
- Widescreen 22-inch monitor
- Supports WXGA+ 1680x1050 resolution
- Ergonomic stand tilts and provides a 3.1” (80mm) range height adjustment for comfortable viewing
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Reduces mercury content by 50% and arsenic free glass
- Up to 85% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

#### Name
- L2250p Wide Flat Panel Monitor

#### Case color
- Business black

#### Type-model
- 2572-HB6

#### Panel
- TFT-LCD, twisted nematic (TN), CCFL backlight
- Viewable image size: 22.0" (559mm) diagonal
- Max view area (W x H): 18.7” x 11.7” (473.6mm x 296.1mm)
- Optimum resolution: 1680x1050 at 60Hz
- Maximum resolution: 1680x1050 at 75Hz (205MHz max pixel rate)
- Aspect ratio: 16:10
- Pixel pitch (mm): 0.282mm
- Dot/Pixel per inch: 90 dpi
- Brightness: 250 nits or cd/m² (typical)
- Contrast ratio: 1000:1 (typical)
- Pixel response time: 5ms (typical)
- Color gamut: Anti-reflective, anti-glare
- Anti-reflective
- Anti-glare
- Vertical frequency: 50 to 75Hz
- Horizontal frequency: 30 to 83kHz
- Viewing angle at 10:1 CR (typical): 170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
- Stand:
  - Tilt: and height adjustable stand
  - Bezel width: Sides: 0.60” (15.3mm); top: 0.79” (20.0mm); bottom: 1.10” (28.0mm)
- Weight: 11.49 lb; 5.21kg
- Limited warranty:
  - Standard: 3 year (includes backlight)
- Available date:
  - October 2009
- VESA-compliant:
  - VESA DDC2B/Ci, VESA DPMS-compliant
- Power management:
  - ENERGY STAR® 5.0
- Ergonomics:
  - ISO 9241-307
- Emission standards:
  - MPR-2, MPR-3A, FCC Class B
- Environmental:
  - TCO (TCO Displays 5.0), WEEE, RoHS
  - EPEAT™ Gold rating
- Preset resolutions:
  - VGA: 640x350, 640x480, 672x400
  - SVGA: 800x600
  - XGA: 1024x768, 1152x864
  - SXGA: 1280x1024
  - WXGA+: 1440x900
  - UXGA: 1600x1000
  - WSXGA+: 1680x1050
- Presets / user settings:
  - Standard presets: 24; user settings: 20
- Shipping:
  - Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User’s Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

#### Limited Warranty
- 3 year limited warranty
- International Warranty Service
- Replacement normally arrives in two business days, excluding holidays
- Lenovo pays all shipping costs for valid warranty claims
- Service upgrade options:
  - 3 year, on site exchange, Mon-Fri 9-5 with next day response
  - 4 year, on site exchange, Mon-Fri 9-5 with next day response
  - 4 year, mail exchange
  - 5 year, mail exchange
  - 24x7 day toll-free support for warranty issues during the warranty period

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

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See footnotes for important warranty information

US model announced October 20, 2009
US model withdrawn effective August 1, 2013

(L2250P) December 2013

© Lenovo
### Lenovo ThinkVision L2251x Wide - withdrawn

#### Name
L2251x Wide Flat Panel Monitor

#### Features
- Widescreen 22-inch monitor with white LED backlight
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Detachable rear stand cable cover and clip to hide cables
- Integrated camera (0.3 megapixel) and microphone
- Integrated ambient light sensor and a proximity sensor, save more energy and make viewing more comfortable
- Low halogen, mercury free, and arsenic free glass, 92% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

### Specifications

<table>
<thead>
<tr>
<th><strong>Name</strong></th>
<th>L2251x Wide Flat Panel Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Case color</strong></td>
<td>Business black</td>
</tr>
<tr>
<td><strong>Type-model</strong></td>
<td>2578-HB6</td>
</tr>
<tr>
<td><strong>Panel</strong></td>
<td>TFT-LCD, twisted nematic (TN), white LED backlight</td>
</tr>
<tr>
<td><strong>Viewable image size</strong></td>
<td>22.0&quot; (559mm) diagonal</td>
</tr>
<tr>
<td><strong>Max view area (W x H)</strong></td>
<td>18.7&quot; x 11.7&quot; / 473.8mm x 296.1mm</td>
</tr>
<tr>
<td><strong>Optimum resolution</strong></td>
<td>1680x1050 at 60Hz</td>
</tr>
<tr>
<td><strong>Maximum resolution</strong></td>
<td>1680x1050 at 75Hz (205MHz max pixel rate)</td>
</tr>
<tr>
<td><strong>Aspect ratio</strong></td>
<td>16:10</td>
</tr>
<tr>
<td><strong>Pixel pitch (mm)</strong></td>
<td>.282mm</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>5ms (typical)</td>
</tr>
<tr>
<td><strong>Color gamut</strong></td>
<td>68%</td>
</tr>
<tr>
<td><strong>Anti-reflective</strong></td>
<td>Anti-reflective, anti-glare</td>
</tr>
<tr>
<td><strong>Vertical frequency</strong></td>
<td>50 to 75Hz</td>
</tr>
<tr>
<td><strong>Horizontal frequency</strong></td>
<td>30 to 83kHz</td>
</tr>
<tr>
<td><strong>Viewing angle at 10:1 CR</strong></td>
<td>170° (+/- 85°) horizontal, 160° (+/- 80°) vertical</td>
</tr>
<tr>
<td><strong>Stand</strong></td>
<td>Tilt, swivel, pivot, and height adjustable stand</td>
</tr>
<tr>
<td><strong>Bezel width</strong></td>
<td>Sides: 0.60&quot; (15.3mm); top: 0.79&quot; (20.0mm); bottom: 1.10&quot; (28.0mm)</td>
</tr>
<tr>
<td><strong>Dimensions (HxWxD)</strong></td>
<td>14.97-19.3&quot; H x 19.92&quot; W x 9.50&quot; D; 380.3-490.3mm H x 506mm W x 241.2mm D</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>21 watts typical, 28 watts maximum, &lt;1 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>12.39 lb; 5.63kg</td>
</tr>
<tr>
<td><strong>Limited warranty</strong></td>
<td>3 year (includes backlight)</td>
</tr>
<tr>
<td><strong>Available date</strong></td>
<td>November 2009</td>
</tr>
<tr>
<td><strong>VESA-compliant</strong></td>
<td>VESA DDC2B/Ci, VESA DPMS-compliant</td>
</tr>
<tr>
<td><strong>Power management</strong></td>
<td>ENERGY STAR® 5.0</td>
</tr>
<tr>
<td><strong>Ergonomics</strong></td>
<td>ISO 9241-307</td>
</tr>
<tr>
<td><strong>Emission standards</strong></td>
<td>MPR-2, MPR-3A, FCC Class B</td>
</tr>
<tr>
<td><strong>Environmental</strong></td>
<td>TCO (TCO Certified Edge), WEEE, RoHS, EPEAT™ Gold rating</td>
</tr>
<tr>
<td><strong>Preset resolutions</strong></td>
<td>VGA: 640x350, 640x480, 720x400</td>
</tr>
<tr>
<td>**XGA: 1024x768, 1152x864</td>
<td>SXGA: 1280x1024</td>
</tr>
<tr>
<td>**UXGA: 1440x900</td>
<td>WSXGA+: 1680x1050</td>
</tr>
<tr>
<td>**UXGA+: 1680x1050</td>
<td>WSXGA+: 1680x1050</td>
</tr>
<tr>
<td><strong>Presets / user settings</strong></td>
<td>Standard presets: 24; user settings: 20</td>
</tr>
<tr>
<td><strong>Viewing adjustments</strong></td>
<td>Tilt: 30° back, 0° forward; lift: 4.3&quot; (110mm); swivel: +/-45°; detachable stand</td>
</tr>
<tr>
<td><strong>Rotating screen</strong></td>
<td>Screen pivots 90 degrees from landscape to portrait (requires image rotation support from graphics controller)</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</td>
</tr>
<tr>
<td><strong>USB hub</strong></td>
<td>USB 2.0 Hub (1 port into PC, 3 ports for accessories)</td>
</tr>
<tr>
<td><strong>Camera</strong></td>
<td>Integrated camera (0.3 megapixel) and 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>(1) detachable, VGA 15-pin D-shell at each end, analog, 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 meeting the VESA FPMPMI (100mm mount)</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</td>
</tr>
</tbody>
</table>

### Limited Warranty

- **3 year limited warranty**
- **International Warranty Service**
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**
- **Service upgrade options:**
  - 3 year, on site exchange, Mon-Fri 9-5 with next day response (Lenovo Services part number 41C9209)
  - 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233)
  - 4 year, mail exchange (51J0569)
  - 5 year, mail exchange (51J0590)
  - 24x7 day toll-free support for warranty issues during the warranty period

### Accessories

<table>
<thead>
<tr>
<th><strong>Accessories</strong></th>
<th><strong>Kensington MicroSaver Cable Lock 73P2682</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lenovo Easy Reach Monitor Stand 55Y9258</strong></td>
<td><strong>Kensington Twin Head Cable Lock 45K1620</strong></td>
</tr>
</tbody>
</table>

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

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

See footnotes for important warranty information

US model announced October 20, 2009

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(L2251X) May 2011
### Lenovo ThinkVision LS1922 Wide - withdrawn

#### Name
LS1922 Wide Flat Panel Monitor

#### Case color
Business black

#### Type-model
2580-AF1

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

#### Viewable image size
18.5" (470mm) diagonal

#### Max view area (W x H)
16.1" x 9.1" / 409.8mm x 230.4mm

#### Native resolution
1366x768

#### Aspect ratio
16:9

#### Pixel pitch (mm)
0.30mm

#### Brightness
85 dpi (typical)

#### Contrast ratio
72%

#### 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: 0.61" (15.6mm); top: 0.67" (17.1mm); bottom: 1.19" (30.1mm)

#### Dimensions (HxWxD)
14.54" H x 17.38" W x 8.25" D; 370.1mm H x 442.2mm W x 210.0mm D

#### Power supply
14 watts typical, 18 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)

#### Weight
6.55 lb; 2.97 kg

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

#### Available date
February 2012

#### VESA-compliant
Yes

#### Power management
ENERGY STAR 5.1

#### Ergonomics
ISO 9241-307

#### Emission standards
FCC Class B

#### Environmental
TCO (TCO Displays 5.2), WEEE, RoHS

#### Preset resolutions
- VGA: 640x350, 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768
- WXGA: 1280x720, 1280x768, 1360x768, 1366x768

#### Presets / user settings
- Standard presets: 16 (VGA);
- User settings: 16

#### Viewing adjustments
Tilt: 20° 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

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

#### Ship group
Monitor, attached stand, Setup poster with Safety and Warranty Information, CD with multilingual User’s Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter black power cord

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### Limited Warranty
- 3 year limited warranty
- Replacement normally arrives in two business days, excluding holidays
- Lenovo pays all shipping costs for valid warranty claims
- Service upgrade options:
  - 3 year, on site exchange, Mon-Fri 9-5 with next day response (Lenovo Services part number 41C9209)
  - 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233)
  - 4 year, mail exchange (51J0589)
  - 5 year, mail exchange (51J0590)
- 24x7 day toll-free support for warranty issues during the warranty period

### Accessories
- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620
- Lenovo Security Cable Lock 57Y4303
- Lenovo Easy Reach Monitor Stand 55Y9258
- ThinkCentre Extend Arm 57Y4352

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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See footnotes for important warranty information

US model announced February 28, 2012

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(LS1922) August 2012
<table>
<thead>
<tr>
<th>Name</th>
<th>LS2023 Wide Flat Panel Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case color</td>
<td>Business black</td>
</tr>
<tr>
<td>Type-model</td>
<td>3778-HB2</td>
</tr>
<tr>
<td>Panel</td>
<td>TFT-LCD, twisted nematic (TN), White LED backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>20.0&quot; (508mm) diagonal</td>
</tr>
<tr>
<td>Max view area (W x H)</td>
<td>17.4&quot; x 9.8&quot; (443mm x 249mm)</td>
</tr>
<tr>
<td>Native resolution</td>
<td>1600x900</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>0.276mm</td>
</tr>
<tr>
<td>Dot/ Pixel per Inch</td>
<td>92 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>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 adjustable stand</td>
</tr>
<tr>
<td>Bezel width</td>
<td>Sides: 0.588&quot; (15.2mm); top: 0.606&quot; (15.4mm); bottom: 1.020&quot; (25.9mm)</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>14.28&quot; H x 18.71&quot; W x 6.19&quot; D; 362.8mm H x 475.1mm W x 157.4mm D</td>
</tr>
<tr>
<td>Power supply</td>
<td>19 watts typical, 22 watts maximum, &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td>Weight</td>
<td>7.01 lb; 3.18 kg</td>
</tr>
<tr>
<td>Limited warranty²</td>
<td>3 year (includes backlight)</td>
</tr>
<tr>
<td>Available date</td>
<td>September 2012</td>
</tr>
</tbody>
</table>

### Features
- Widescreen 20-inch monitor
- Supports 1600x900 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Arsenic free glass
- EPEAT Gold certified
- Microsoft® Windows® 7 certified

### Presets / user settings
- Standard presets: 16
- User settings: 16

### Viewing adjustments
- Tilt: 21° backward, -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

### 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 meeting the VESA FPMPI™ (100mm mount)
- Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

### Ship group
- Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

### 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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### Preset resolutions
- VGA: 640x350, 640x480, 720x400
- SVGA: 800x600
- XGA: 1024x768
- WXGA: 1280x800, 1280x768, 1280x720, 1360x768
- WXGA+: 1440x900, 1600x900

### Limited Warranty
- 3 year limited warranty
- International Warranty Service
- Replacement normally arrives in two business days, excluding holidays
- Lenovo pays all shipping costs for valid warranty claims
- Service upgrade options:
  - 3 year, on site exchange, Mon-Fri 9-5 with next day response (Lenovo Services part number 41C9209)
  - 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233)
  - 4 year, mail exchange (51J0589)
  - 5 year, mail exchange (51J0590)
- 24x7² day toll-free support for warranty issues during the warranty period

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See footnotes for important warranty information

US model announced September 18, 2012

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(LS2023) September 2012
Name: LS2223 Wide Flat Panel Monitor
Case color: Business black
Type-model: 3783-HB2
Panel: TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size: 21.5" (546mm) diagonal
Max view area (W x H): 18.76" x 10.55" (476.6mm x 268.1mm)
Native resolution: 1920x1080
Aspect ratio: 16:9
Pixel pitch (mm): 0.248mm
Dot/Pixel per Inch: 103dpi
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: 0.891" (15.0mm); top: 0.701" (17.8mm); bottom: 0.996" (25.3mm)
Dimensions (HxWxD): 15.08" H x 20.00" W x 6.19" D; 383.0mm H x 508.0mm W x 157.4mm D
Power supply: 21 watts typical, 25 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight: 7.74 lb; 3.51 kg
Limited warranty*: 3 year
Available date: September 2012
VESA-compliant*: VESA DDC2B/CI
Power management: ENERGY STAR® qualified
Ergonomics: ISO 9241-307
Emission standards: FCC Class B
Environmental: TCO (TCO Displays 6.0), WEEE, RoHS, EPEAT™ Gold rating
Preset resolutions: VGA: 640x350, 640x480, 720x400
SVGA: 800x600
XGA: 1024x768
SXGA: 1280x1024
WXGA: 1280x800, 1280x768, 1280x720,
WXGA+: 1440x900, 1600x900
WSXGA+: 1680x1050
Full HD: 1920x1080
Presets / user settings: Standard presets: 16 user settings: 16
Viewing adjustments: Tilt: 21° backward, -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
Multiinput: 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, HDPCP-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, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User’s Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty
- 3 year limited warranty*
- International Warranty Service*
- Replacement normally arrives in two business days, excluding holidays
- Lenovo pays all shipping costs for valid warranty claims*
- Service upgrade options:*
  - 3 year, on site exchange, Mon-Fri 9-5 with next day response
  (Lenovo Services part number 41C9209)
  - 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233)
  - 4 year, mail exchange (51J0589)
  - 5 year, mail exchange (51J0590)
- 24x7* day toll-free support for warranty issues during the warranty period*

Features
- Widescreen 21.5-inch monitor
- Supports Full HD 1920x1080 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Arsenic free glass
- EPEAT Gold certified
- Microsoft® Windows® 7 certified

ThinkVision LS2223 Wide Monitor

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

See footnotes for important warranty information
US model announced September 18, 2012
© Lenovo (LS2223) September 2012
Lenovo ThinkVision LS2323 Wide - withdrawn

Product Specifications Reference (PSREF)

Name: LS2323 Wide Flat Panel Monitor
Case color: Raven black
Type-model: 3794-HB1
Panel: TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size: 20.04" x 11.28" (509.2mm x 286.4mm)
Max view area (W x H): 21.38" (542.1mm) diagonal
Native resolution: 1920x1080
Aspect ratio: 16:9
Pixel pitch (mm): 0.265mm
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 adjustable stand
Bezel width: Sides: 0.709" (18.0mm); top: 0.709" (18.0mm); bottom: 1.197" (30.4mm)
Dimensions (HxWxD): 15.92" H x 21.57" W x 7.67" D; 403.9mm H x 547.8mm W x 194.9mm D
Power supply: 30 watts typical, 35 watts maximum,
<0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight: 8.20 lb; 3.72 kg
Limited warranty: 3 year (includes backlight)
Available date: September 2012

Features
- Widescreen 23-inch monitor
- Supports Full HD 1920x1080 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Arsenic free glass
- EPEAT Gold certified
- Microsoft® Windows® 7 certified

Lenovo ThinkVision LS2323 Wide Monitor

VESA-compliant: VESA DDC/CI, VESA DPMS-compliant
Power management: ENERGY STAR® qualified
Ergonomics: ISO 9241-307
Environmental: FCC Class B, 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
- Standard presets: 26;
- user settings: 26

Viewing adjustments
- Tilt: 21° backward, -5° forward
- Rotation: None
- On screen display: On screen display with digital user controls (8 languages)
- Control features: Direct access (buttons at the middle bottom of the front bezel) 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
- 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
- Security
- 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)
- Monitor, toolless detachable stand, Quick start and safety poster, CD with multilingual User's Guide, setup test pattern and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

LS2323 Wide Flat Panel Monitor

Limited Warranty
- 3 year limited warranty
- Replacement normally arrives in two business days, excluding holidays
- Lenovo pays all shipping costs for valid warranty claims
- Service upgrade options:
  - 3 year, on site exchange, Mon-Fri 9-5 with next day response (Lenovo Services part number 41C9209)
  - 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233)
  - 4 year, mail exchange (51J0589)
  - 5 year, mail exchange (51J0590)
- 24x7 day toll-free support for warranty issues during the warranty period

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

Kensington Twin Head Cable Lock 45K1620

Lenovo (LS2323) September 2012

See footnotes for important warranty information
US model announced September 18, 2012

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**Lenovo ThinkVision LT1712p - withdrawn**

**Product Specifications Reference (PSREF)**

**Limited Warranty**


**Accessories**

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

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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<table>
<thead>
<tr>
<th>Name</th>
<th>LT1712p Flat Panel Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case color</td>
<td>Business black</td>
</tr>
<tr>
<td>Type-model</td>
<td>5047-HC2</td>
</tr>
<tr>
<td>Panel</td>
<td>TFT-LCD, twisted nematic (TN), CCFL backlight</td>
</tr>
<tr>
<td>Viewable image size</td>
<td>17.0&quot; (432mm) diagonal</td>
</tr>
<tr>
<td>Max view area (W x H)</td>
<td>13.3&quot; x 10.6&quot; (337.9mm x 270.3mm)</td>
</tr>
<tr>
<td>Optimum resolution</td>
<td>1280x1024</td>
</tr>
<tr>
<td>Aspect ratio</td>
<td>5:4</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>0.264mm</td>
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<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 height adjustable stand</td>
</tr>
<tr>
<td>Bezel width</td>
<td>Sides: 0.60&quot; (15.3mm); top: 0.72&quot; (18.4mm); bottom: 1.11&quot; (28.1mm)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>12.5&quot; H x 14.6&quot; W x 2.1&quot; D; (HxWXD, excluding stand) 318.3mm H x 370.0mm W x 53.0mm D</td>
</tr>
<tr>
<td>Dimensions (including stand)</td>
<td>16.0&quot; H x 14.6&quot; W x 6.1&quot; D;</td>
</tr>
<tr>
<td>Power supply</td>
<td>15.5 watts typical, 19.0 watts maximum, &lt;0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)</td>
</tr>
<tr>
<td>Weight</td>
<td>9.35 lb; 4.24kg</td>
</tr>
<tr>
<td>Limited warranty</td>
<td>3 year (includes backlight)</td>
</tr>
<tr>
<td>Available date</td>
<td>January 2013</td>
</tr>
<tr>
<td>VESA-compliant</td>
<td>VESA DDC2B/Ci, VESA DPMS-compliant</td>
</tr>
<tr>
<td>Power management</td>
<td>ENERGY STAR® 6.0</td>
</tr>
<tr>
<td>Ergonomics</td>
<td>ISO 9241-307</td>
</tr>
<tr>
<td>Emission standards</td>
<td>MPR-2, FCC Class B</td>
</tr>
<tr>
<td>Environmental</td>
<td>TCO Displays 6.0, TCO Certified Edge 1.1, WEEE, RoHS, <strong>EPEAT</strong> 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</td>
<td></td>
</tr>
<tr>
<td>SXGA: 1280x1024</td>
<td></td>
</tr>
<tr>
<td>Presets / user settings</td>
<td>Standard presets: 17; user settings: 22</td>
</tr>
<tr>
<td>View angles</td>
<td>Tilt: 20° back, -3° forward; lift: 4.3° (110mm); detachable stand</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</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>(2) Digital Visual Interface (DVI-D), digital, white, <strong>HDCP-compliant</strong></td>
<td></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>(2) detachable, DVI-D at each end, digital, 1.8 meter</td>
<td></td>
</tr>
<tr>
<td>Mounting features</td>
<td>Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (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, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord</td>
</tr>
</tbody>
</table>

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**Features**

- 17-inch Square LCD monitor
- Supports SXGA 1280x1024 resolution
- Ergonomic stand tilts and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Arsenic free glass
- Supports Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- **Microsoft® Windows® 7 certified**
## Lenovo ThinkVision LT2934z Panorama Monitor

### Features
- Panorama 29-inch IPS monitor
- Supports 2560x1080 resolution
- PIP (Picture in Picture) Anywhere Solution (software)
- One-Switch Toggle features quickly switching keyboard and mouse from one PC to another
- 4-Ports USB hub, support USB 3.0 and USB 2.0
- Support DaisyChain
- Integrated FHD Webcam, two digital microphones and 3 watts x 2 stereo speakers
- Dedicated VoIP controls
- Displays content from 2 PCs in one screen
- Arsenic/Lead/Mercury free
- Microsoft Windows 7/ Windows 8/ Windows 8.1 certified

### Preset resolutions
- Full HD: 1920x1080
- WSXGA+: 1680x1050
- WXGA+: 1440x900, 1600x900
- WXGA: 1280x720, 1280x768, 1280x800, 1360x768
- SXGA: 1280x1024
- XGA: 1024x768, 1152x864
- SVGA: 800x600
- VGA: 640x480, 720x400
- 640x350
- 640x400
- 720x400
- 720x576
- 720x720
- 768p
- 800x600
- 1024x768
- 1152x864
- 1280x720
- 1280x768
- 1280x800
- 1360x768
- 1600x900
- 1680x1050
- 1920x1080
- 2560x1080

### 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 LT3053p Wide

Name: LT3053p Wide Flat Panel Monitor

Case color: Business black

Type-model: 60A4ARR1US

Panel: TFT-LCD, AH-IPS, White LED backlight

Viewable image size: 30" (762mm) diagonal

Max view area (W x H): 25.2" x 15.8" (641.3mm x 400.8mm)

Optimum resolution: 2560x1600

Max pixel rate: 205MHz

Aspect ratio: 16:10

Pixel pitch (mm): 0.251mm

Dot/Pixel per inch: 101 dpi

Brightness: 350 nits or cd/m² (typical)

Contrast ratio: 1000:1 (typical)

Pixel response time: 6ms (Grey To Grey average)

Color gamut: 99% (Adobe RGB)

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

Bezel width: Sides: 0.91" (23.1mm); top: 0.91" (23.2mm); bottom: 0.91" (23.1mm)

Dimensions: (HxWxD, excluding stand) 17.69" H x 27.17" W x 2.44" D;

(HxWxD, including stand) 449.3mm H x 690mm W x 62mm D

Dimensions: (HxWxD, excluding stand) 18.55" H x 27.17" W x 9.51" D;

(HxWxD, including stand) 471.1mm H x 690mm W x 241.5mm D

Power supply: 88 watts typical (w/o USB hub);

130 watts maximum (w/o USB hub);

<1.2 watts sleep/off (w/o USB hub);

<0.5 watts switch off (w/o USB hub);

Integrated (no external brick-like power supply)

Weight: 25.35 lb; 11.5kg (including stand and shading hood)

Limited warranty*: 3 year (includes backlight)

Viewing angle: 89° horizontal, 89° vertical

Limitations: Luminance and color may change over time

Presets / user settings:

- Standard presets: 21;
- User settings: 20

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)
- Direct access (buttons on front) for automatic image setup, input switch, and brightness
- USB hub: USB Hub (1 USB 3.0 w/Battery charger, 2 USB 3.0, 2 USB 2.0)

Multiple input:
- Support VGA, DVI-D, HDMI, DisplayPort, MHL connections (Mobile High-definition Link)
- Monitor connectors:
  - (1) VGA 15-pin D-shell, analog, blue
  - (2) DisplayPort (1.2), digital, black, HDCP-compliant
  - (3) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant
  - (4) HDMI (1.4), digital, 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
  - (3) detachable, DVI-D at each end, digital, 1.8 meter
- Note: HDMI cable is not included

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, toolless detachable stand, shading hood, Quick start and safety poster, CD with multilingual User’s Guide, setup test pattern, Picture In Picture Anywhere installation files and user guide, 1.8 meter analog signal cable, 1.8 meter DisplayPort cable, 1.8 meter DVI-D cable, 1.8 meter USB 3.0 cable, 1.8 meter USB 2.0 cable, 1.8 meter black power cord

Limited Warranty:
- 3 year limited warranty:
- International Warranty Service:
- Replacement normally arrives in two business days, excluding holidays
- Lenovo pays all shipping costs for valid warranty claims:
- Service upgrade options:
  - 3 year, on site exchange, Mon-Fri 9-5 with next day response
  - 4 year, on site exchange, Mon-Fri 9-5 with next day response
  - 4 year, mail exchange
  - 5 year, mail exchange
- 25x7 day toll-free support for warranty issues during the warranty period:

Features:
- Widescreen 30-inch monitor
- Supports 2560x1600 resolution
- PIP (Picture in Picture) Anywhere Solution (software)
- 5-Ports USB hub, support USB 3.0 and USB 2.0
- Support VGA, DVI, HDMI, DisplayPort and MHL
- Support DaisyChain
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Bundled Professional Hood
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Arsenic/Lead/Mercury free
- Microsoft® Windows® 7 certified
- Microsoft® Windows® 8 certified

Accessories:
- Kensington MicroSaver Cable Lock 73P2582
- Kensington Twin Head Cable Lock 45K1620
- Lenovo Security Cable Lock 57Y4303
- ThinkCentre Extend Arm 57Y4352
- Lenovo Easy Reach Monitor Stand 55Y9258

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

See all monitors at www.lenovo.com/thinkvision

Limited Warranty:

International Warranty Service:

Replacement normally arrives in two business days, excluding holidays

Lenovo pays all shipping costs for valid warranty claims

Service upgrade options:

3 year, on site exchange, Mon-Fri 9-5 with next day response

(Lenovo Services part number 41C9209)

4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233)

4 year, mail exchange (51J0589)

5 year, mail exchange (51J0590)

25x7 day toll-free support for warranty issues during the warranty period

See footnotes for important warranty information

US model announced March 12, 2013

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(LT3053P) March 2013
Legal Information and Trademarks

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12196, RTP, NC, 27709, Attn: Dept ZPY/B676. Lenovo makes no representation or warranty regarding third party products or services.

ISO-compliant: Compliance with ISO 9241 Part 3, ISO Part 7, ISO Part 8, and/or ISO 13406 Part 2 is dependent on a complete ISO-capable platform of a system unit, monitor, video subsystem, operating system and fonts.

VESA: Requires attachment to suitably configured system with similarly enabled operating system.

ENERGY STAR: As an ENERGY STAR partner, Lenovo has determined that this product meets the ENERGY STAR 4.0 or 41 guidelines for energy efficiency. Requires attachment to suitably configured system.

Limited warranty: Support unrelated to a warranty issue may be subject to additional charges.

International Warranty Service is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country. Support unrelated to a warranty issue may be subject to additional charges.

Telephone support may be subject to additional charges, even during the limited warranty period. If a machine is listed as having “On-site service for select repairs,” this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For machines with EasyServ or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.

TAA: Monitor is compliant with the U.S. Federal Government’s country-of-origin requirements prescribed in 48 C.F.R. Subpart 25.4; Trade Act Agreement (TAA) model.

Post-warranty annual maintenance agreement: Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.

HALOGEN: Less than 900 Parts Per Million. Low halogen is defined in accordance with IPC-401B and draft IPC-J-STD 709 Class 1 requirements.

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