

ThinkVision®

Personal Systems Reference ThinkVision Monitors

December 2008 - Version 349



ThinkVision L2440x Wide Monitor

lenovo.com

E Series Essential CRT Monitors		POSITIONING
Name Case color Type-model Stand Screen Viewable image size Aspect ratio Dot pitch Max view area (inches) Max view area (mm) CRT type Video input Vertical refresh rate range Horizontal line rate range Clock rate Optimum resolution Maximum resolution Preset display modes Presets / user settings On screen display On screen display controls Control features Connector Signal cable Power cable Anti-reflective treatment Anti-static treatment Dimensions (H x W x D) Dimensions (H x W x D) Weight Stand VESA DDC VESA DPMS-compliant ENERGY STAR ³ Emission standards TCO 99-compliant ISO 9241 capable RoHS Ship group Power supply Limited warranty ⁴ Available date	Lenovo E75 CRT Monitor Business black 6307-BTN Tilt, swivel stand 17.0" (432mm) FST CRT 16.0" / 406mm (diagonal) 4x3 0.25mm 12.8" x 9.6" (horizontal x vertical) 325mm x 244mm (horizontal x vertical) Full Flat Shadow Mask (FST) Analog 50 to 160Hz 30 to 72kHz 110Mpels/sec (MHz) 1024x768 at 85Hz 1280x1024 at 60Hz VGA: 640x480 60, 85Hz 720x400 70Hz SVGA: 800x600 75, 85Hz XGA: 1024x768 75, 85Hz 1152x864 75Hz SXGA: 1280x1024 60Hz 9 / 8 Yes (6 languages) Digital front panel controls Contrast/brightness, horizontal/vertical size/centering, pincushion, pincushion balance, image rotation, geometry recall, degauss, color point adjustment, R/G/B control, color point recall, selectable color points, picture zoom, moire control, parallelogram, trapezoid, display time VGA 15-pin D-shell One 1.5 meter captive with VGA 15-pin D-shell 1.8 meter Yes Yes 15.0" x 15.6" x 16.9" 381mm x 397mm x 430mm 33.5 lb / 15.2 kg Tilt-swivel stand / tilt: 15° back, 5° forward / swivel: 90° left, 90° right 2B / CI DPMS No MPR-II, FCC-B No Parts 3, 7, 8 ¹ RoHS (EU Directive 2002/95/EC) Monitor, attachable stand, Setup Guide, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, attached analog signal cable, separate 1.8m black power cable 90-264Vac, 75 watts maximum, 50-60Hz, universal 3-year January 2007	• The Lenovo E75 CRT monitor is an essential monitor offering standard business features for value-conscious customers. FEATURES • 17-inch (432mm) CRT with a viewable image size of 16.0" (406mm) incorporating a 0.25 dot pitch • Flatter, squarer tube (FST) cathode ray tube (CRT) design • Recommended for use at maximum resolution of 1024x768 at 85Hz for flicker-free viewing • Anti-reflective screen treatments to minimize glare without sacrificing picture sharpness
LIMITED WARRANTY ⇨ 3-year limited warranty ⁴ ⇨ International Warranty Service ⁵ ⇨ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ⇨ Replacement normally arrives in two business days, excluding holidays ⇨ Lenovo pays all shipping costs for valid warranty claims ⁶ ⇨ Service upgrade options: ⁷ <ul style="list-style-type: none"> • 3-year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ 41C9209) • 3-year, on site exchange 7 day x 24 hr with 4 hour response (ThinkPlus 41C9212) • 4-year, on site exchange Mon-Fri 9-5 with next day response (ThinkPlus 41C9217) • 4-year, on site exchange 7 day x 24 hr with 4 hour response (ThinkPlus 41C9218) ⇨ 24x7 ⁸ day toll-free support for warranty issues during the warranty period ⁴		E Series Essential CRT Monitors provide essential features at attractive prices ACCESSORIES ThinkPad® Convertible Monitor Stand 40Y7620 Other options at lenovo.com/accessories

See footnotes for important warranty information
 US model announced January 16, 2007

<p>Name D156 Wide Flat Panel Monitor Case color Business black Type-model 4415-AB1 Panel TFT-LCD, twisted nematic (TN) Viewable image size 15.6" (396.2mm) diagonal Max view area (W x H) 13.6" x 7.6" / 344.2mm x 193.5mm Optimum resolution 1366x768 at 60Hz Maximum resolution 1366x768 at 60Hz (135MHz max pixel rate) Aspect ratio 16:9 Pixel pitch (mm) .252mm Brightness 250 nits or cd/m² (typical) Contrast ratio 500:1 (typical) Pixel response time 8ms (typical) Color gamut 65% Anti-reflective Anti-reflective, anti-glare Vertical frequency 50 to 75Hz Horizontal frequency 30 to 60Hz Viewing angle at 10:1 CR 90° (+/- 45°) horizontal, 65° (+20/- 45°) vertical Viewing angle at 5:1 CR 110° (+/- 55°) horizontal, 85° vertical Stand Tilt adjustable stand Bezel width Sides: 0.60" (15.8mm); top: 0.65" (16.5mm); bottom: 1.25" (31.8mm)</p>	<p style="text-align: center;">Features</p> <ul style="list-style-type: none"> • Widescreen 15.6-inch monitor • EPEAT™ Gold rating • Supports WXGA 1366x768 resolution • Matching design to Lenovo notebooks and desktops 								
<p>Dimensions (HxWxD) 9.51-11.76" H x 14.72" W x 2.61-7.46" D; 241.5-298.6mm H x 374.0mm W x 66.3-189.6mm D</p> <p>Power supply 18 watts typical, 28 watts maximum, <2 watts standby/suspend, universal, integrated (no external brick-like power supply)</p> <p>Weight 5.82 lb; 2.64kg Limited warranty⁴ 3 year (includes backlight) Available date October 2008</p>	<div style="text-align: center;">  <p>D156 Wide Monitor</p> </div>								
<p>VESA-compliant² VESA DDC2B/CI, VESA DPMS-compliant Power management ENERGY STAR^{®3} 4.1 Tier 2 Ergonomics ISO 13406 Part 2¹ 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</p>									
<p>Preset display resolutions VGA: 640x480, 640x350, 700x570 SVGA: 800x600 XGA: 1024x768 WXGA: 1360x768, 1366x768</p> <p>Presets / user settings Standard presets: 13; user settings: 10</p>	<p>Viewing adjustments Tilt: 20° back, 5° forward; no lift; no swivel; detachable stand Rotating screen None On screen display On screen display with digital user controls (7 languages) Control features Direct access (buttons on front) for automatic image setup and brightness USB hub None Multiple input None Monitor connector VGA 15-pin D-shell, analog, blue Signal cable Detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter Mounting features Wall or desk mounting using the Radial Arm⁹ or third-party accessories meeting the VESA FPMPI[®] (75mm mount) Security Security keyhole for attachment of optional cable lock (Kensington[®] lock-compatible)</p>								
<p>Ship group Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8m analog signal cable, 1.8m black power cord</p>	<p style="text-align: center;">Accessories</p> <table border="0"> <tr> <td>Kensington[®] Cable Lock from Lenovo</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td style="text-align: right;">40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td style="text-align: right;">19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	Kensington [®] Cable Lock from Lenovo	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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<p style="text-align: center;">Limited Warranty</p> <ul style="list-style-type: none"> ↪ 3 year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9227) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9228) ↪ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴ 									

See footnotes for important warranty information
 US model announced September 17, 2008

Flat Panel Monitors - US model	FEATURES
<p>Name L151 Flat Panel Monitor Case color Business black Type-model 9165-AC6 US Govt model (TAA)¹⁰ No Stand Tilt stand Screen LCD Active Matrix TFT (Thin Film Transistor) Viewable image size(diag) 15.0" / 381mm (diagonal) Aspect ratio 4:3 Pixel pitch (mm) .297mm Max view area (inches) 12.0" x 9.0" (horizontal x vertical) Max view area (mm) 304mm x 228mm (horizontal x vertical) Viewing angle at 5:1 CR 140° (+80°/- 60°) vertical, 160° (+/- 80°) horizontal Viewing angle at 10:1 CR 125° (+/- 62.5°) vertical, 140° (+/- 70°) horizontal Video input Analog Dual input No Rotating screen No pivot</p>	<ul style="list-style-type: none"> • All-purpose 15-inch flat panel LCD monitor • EPEAT™ Gold rating • Slim 16mm (0.63") side bezel • Resolution of 1024x768 provides crisp screen images • Stand tilts for comfortable viewing • Direct access for automatic image setup and brightness • Quick and easy monitor adjustments using on-screen display menus • A great replacement for a 15" or 17" CRT monitor • Integrated power supply eliminates the bulky power adapter for improved cable management • Lockable digital controls • Matching design to ThinkPad® and ThinkCentre® systems
<p>Optimum resolution 1024x768 at 60Hz Maximum resolution 1024x768 at 75Hz (80MHz maximum pixel rate) Vertical frequency 55 to 75Hz Horizontal frequency 30 to 63kHz Preset display modes VGA: 640x480 60, 66, 72, 75Hz 640x350 70Hz 720x400 70Hz SVGA: 800x600 60, 72, 75Hz XGA: 1024x768 60, 70, 75Hz</p> <p>Presets / user settings Standard presets: 12; user settings: 10 Brightness 250 nits or cd/m² (typical) Contrast ratio 500:1 (typical) Pixel response time 8ms (typical) Scaling Can expand image of lower resolution to full screen of 1024x768</p>	
<p>On screen display On screen display with digital user controls (7 languages) Control features Direct access (buttons on front) for auto adjustment and brightness; contrast; image horizontal and vertical position; user color settings (3 preset + 1 user); on screen display (OSD) language selection; menu position; information screen; image setup; image size to show normal or expanded format; reset of geometry and color point to factory default settings; lockable settings Monitor connector One connector: analog VGA 15-pin D-shell [blue] Signal cable Analog cable, detachable, VGA 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor Anti-reflective Anti-reflective, anti-glare Dimensions 13.31"H x 13.56"W x 6.12"D / 338mm height x 345mm width x 156mm depth Weight 6.8 lb / 3.1kg Viewing adjustments Tilt: 30° back, 4° forward, no swivel, no lift, detachable stand Mounting features Wall or desk mounting using the Radial Arm⁹ or third-party accessories meeting the VESA FPMPI® (100mm mount) Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>	
<p>VESA-compliant² VESA DDC2B/CI, VESA DPMS-compliant Power management ENERGY STAR^{®3} 4.0 Ergonomics ISO 13406 Part 2¹ Pixel defect ISO 13406-2 Class II pixel defect standard Emission standards MPR-2, MPR-3A, FCC Class B Environmental TCO 99, WEEE, RoHS (EU Directive 2002/95/EC), EPEAT™ Gold rating Ship group Monitor; attached stand; Setup Guide; Safety and Warranty Information; CD with multilingual User's Guide, set-up test pattern, and monitor installation files; analog signal cable; 1.8m black power cord Power supply 100-240Vac (universal), integrated (no external brick-like power supply), 25 watts typical, <2 watts standby/suspend Limited warranty⁴ 3-year (includes backlight) Available date November 2007</p>	

LIMITED WARRANTY	ACCESSORIES										
<ul style="list-style-type: none"> ⇒ 3-year limited warranty⁴ ⇒ International Warranty Service⁵ ⇒ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ⇒ Replacement normally arrives in two business days, excluding holidays ⇒ Lenovo pays all shipping costs for valid warranty claims⁵ ⇒ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ⇒ 24x7[®] day toll-free support for warranty issues during the warranty period⁴ 	<table border="0"> <tr> <td>ThinkVision® USB Soundbar</td> <td style="text-align: right;">40Y7616</td> </tr> <tr> <td>Kensington® MicroSaver® Security Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td style="text-align: right;">40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td style="text-align: right;">19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p> <p>Post-warranty maintenance services at lenovo.com/warranty</p>	ThinkVision® USB Soundbar	40Y7616	Kensington® MicroSaver® Security Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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See footnotes for important warranty information
 US model announced October 23, 2006

Flat Panel Monitors - US model		FEATURES
Name	L171 Flat Panel Monitor	<ul style="list-style-type: none"> • All-purpose 17-inch flat panel LCD monitor • EPEAT™ Gold rating • Slim 14mm (0.55") side bezel • Resolution of 1280x1024 provides crisp screen images • Stand tilts for comfortable viewing • Direct access for automatic image setup and brightness • Quick and easy monitor adjustments using on-screen-display • A great replacement for a 17" or 19" CRT monitor • Scaling allows full screen viewing of resolutions less than 1280x1024 • Integrated power supply eliminates the bulky power adapter for improved cable management • Lockable digital controls • Matching design to ThinkPad® and ThinkCentre® systems
Case color	Business black	
Type-model	9227-AD1	
US Govt model (TAA) ¹⁰	No	
Stand	Tilt stand	
Screen	LCD Active Matrix TFT (Thin Film Transistor)	
Viewable image size (diag)	17.0" / 432mm (diagonal)	
Aspect ratio	5:4	
Pixel pitch (mm)	.264mm	
Max view area (inches)	13.3" x 10.6" (horizontal x vertical)	
Max view area (mm)	340mm x 272mm (horizontal x vertical)	
Viewing angle at 10:1 CR	130° (+67°/- 63°) vertical, 140° (+/- 70°) horizontal	
Video input	Analog	
Dual input	No	
Optimum resolution	1280x1024 at 60Hz	
Maximum resolution	1280x1024 at 76Hz (140MHz maximum pixel rate)	
Vertical frequency	55 to 75Hz	
Horizontal frequency	30 to 83kHz	
Preset display modes	VGA: 640x480 60, 72, 75Hz 640x350 70Hz 720x400 70Hz SVGA: 800x600 60, 72, 75Hz XGA: 1024x768 60, 70, 75 Hz SXGA: 1280x1024 60, 70, 75, 76 (Sun) Hz	
Presets / user settings	Standard presets: 15; user settings: 20	
Brightness	300 nits or cd/m ² (typical)	
Contrast ratio	700:1 (typical)	
Pixel response time	5ms (typical)	
Scaling	Can expand image of lower resolution to full screen of 1280x1024	
On screen display	On screen display with digital user controls (7 languages)	
Control features	Direct access (buttons on front) for auto adjustment and brightness; contrast; image horizontal and vertical position; user color settings (3 preset + 1 user); on screen display (OSD) language selection; menu position; information screen; image setup; image size to show normal or expanded format; reset of geometry and color point to factory default settings; lockable settings	
Monitor connector	One connector: analog VGA 15-pin D-shell [blue]	
Signal cable	Analog cable, detachable, VGA 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor	
Anti-reflective	Anti-reflective, anti-glare	
Dimensions	15.2"H x 14.6"W x 6.8"D / 387mm height x 371mm width x 173mm depth	
Weight	9.1 lb / 4.2kg	
Viewing adjustments	Tilt: 30° back, 4° forward, no swivel, no lift, detachable stand	
Mounting features	Wall or desk mounting using the TFT Radial Arm ⁹ or third-party accessories meeting the VESA FPMPI [®] (100mm mount)	
Security	Security keyhole for attachment of optional cable lock (Kensington [®] lock-compatible)	
VESA-compliant ²	VESA DDC2B/CI, VESA DPMS-compliant	
Power management	ENERGY STAR ^{®3} 4.0	
Ergonomics	ISO 13406 Part 2 ¹	
Pixel defect	ISO 13406-2 Class II pixel defect standard	
Emission standards	MPR-2, MPR-3A, FCC Class B	
Environmental	TCO 99, WEEE, RoHS (EU Directive 2002/95/EC), EPEAT™ Gold rating	
Ship group	Monitor, attached stand, customer installable base, Setup Guide, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, 1.8m black power cord	
Power supply	100-240Vac (universal), integrated (no external brick-like power supply), 28 watts typical, <2 watts standby/suspend	
Limited warranty ⁴	3 year (includes backlight)	
Available date	November 2007	

LIMITED WARRANTY	ACCESSORIES										
<ul style="list-style-type: none"> ↪ 3-year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁵ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ↪ 24x7³ day toll-free support for warranty issues during the warranty period⁴ 	<table border="0"> <tr> <td>ThinkVision® USB Soundbar</td> <td>40Y7616</td> </tr> <tr> <td>Kensington® MicroSaver® Security Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td>40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td>19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p> <p>Post-warranty maintenance services at lenovo.com/warranty</p>	ThinkVision® USB Soundbar	40Y7616	Kensington® MicroSaver® Security Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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See footnotes for important warranty information
US model announced October 23, 2006

Flat Panel Monitors - US model		POSITIONING										
Name	L171p Flat Panel Monitor	<ul style="list-style-type: none"> Performance—Advanced flat panel design features provides space savings and performance. TFT performance models offer tilt, swivel, pivot, and height adjustments, plus analog and digital system attachments. 										
Case color	Business black											
Type-model	9417-HC2	DESCRIPTION <ul style="list-style-type: none"> The L171p is a hybrid monitor. It has both an analog (15-pin D-shell) and digital (Digital Visual Interface [DVI-D]) connector on the back of the monitor. This allows one monitor to connect to different types of graphics adapters; this can be from one analog input and one digital input (it can not accept two analog inputs). 										
Stand	Tilt, swivel, pivot, height adjustable stand											
Screen	LCD Active Matrix TFT (Thin Film Transistor)	FEATURES <ul style="list-style-type: none"> General purpose 17-inch flat panel LCD monitor incorporates ThinkVantage Design that enhances usability and complements the system design EPEAT™ Gold rating Slim 14mm (0.55") side bezel Resolution of 1280x1024 provides crisp screen images Ergonomic stand tilts, swivels, pivots and provides a 110mm range height adjustment for comfortable viewing Direct access for automatic image setup, brightness and input selection Quick and easy monitor adjustments on-screen-display A great replacement for a 17" or 19" CRT monitor Includes dual input connection for attachment to two systems concurrently (analog and digital) Integrated power supply eliminates the bulky power adapter for improved cable management Matching design to ThinkPad® and ThinkCentre® systems 										
Viewable image size (diag)	17.0" / 432mm (diagonal)											
Pixel pitch (mm)	.264mm											
Max view area (inches)	13.4" x 10.7" (horizontal x vertical)											
Max view area (mm)	340mm x 272mm (horizontal x vertical)											
Viewing angle at 10:1 CR	130° (+70°/- 60°) vertical, 140° (+/- 70°) horiz											
Video input	Digital or analog (two separate connectors)											
Dual input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)											
Sync on green	Yes											
Rotating screen	Screen pivots 90 degrees from landscape to portrait (requires image rotation support from graphics controller)											
Optimum resolution	1280x1024 at 60Hz											
Maximum resolution	1280x1024 at 76Hz (135MHz maximum pixel rate)											
Vertical frequency	55 to 76Hz											
Horizontal frequency	31 to 81kHz											
Display colors (maximum)	More than 16 million simultaneous colors											
Preset display modes	VGA: 640x480 60, 66, 72, 75Hz 640x350 70Hz 720x400 70Hz SVGA: 800x600 60, 72, 75Hz XGA: 1024x768 60, 70, 75Hz SXGA: 1280x1024 60, 70, 72, 75, 76 Hz											
Presets / user settings	Standard presets: 17; user settings: 20											
Brightness	300 nits or cd/m ² (typical)											
Contrast ratio	500:1 (typical)											
Pixel response time	8ms (typical)											
On screen display	On screen display with digital user controls (6 languages)											
Control features	Direct access (buttons on front) for auto adjustment, brightness, and input select; contrast; image horizontal and vertical position; user color settings (3 preset + 1 user); on screen display (OSD) language selection; menu position; information screen; image setup; image size to show normal or expanded format; reset of geometry and color point to factory default settings; lockable settings											
Monitor connectors	Two connectors: (1) analog VGA 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital (not analog) attach [white]											
Signal cable	Two cables: (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), 2.0 meter, matches color of monitor											
Anti-reflective / anti-glare	Anti-reflective / anti-glare											
Dimensions	15.1"H min lift (19.4" max lift) x 14.6"W x 8.3"D / 383mm min lift (493mm max lift) height x 371mm width x 211mm depth											
Weight	11.9 lb / 5.4 kg											
Viewing adjustments	Tilt: 30° back, 0° forward / lift: 4.3" (110mm) / swivel: +/-45° / detachable stand											
Mounting features	Wall or desk mounting using the Radial Arm ⁹ or third-party accessories meeting the VESA FPMPI [®] (100mm mount)											
Security	Security keyhole for attachment of optional cable lock (Kensington [®] lock-compatible)											
VESA-compliant ²	VESA DDC2B/CI and VESA DPMS-compliant											
Power management	ENERGY STAR ^{®3} 4.0											
Ergonomics	ISO 13406 Part 2 ¹											
Pixel defect	ISO 13406-2 Class II pixel defect standard											
Emission standards	MPR-2 / MPR-3A / FCC Class B											
Environmental	TCO 99, EPEAT™ Gold rating											
RoHS	RoHS (EU Directive 2002/95/EC)											
Ship group	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											
Power supply	100-240Vac (universal) / integrated (no external brick-like power supply) / 40 watts typical (3 watts for "active off")											
Limited warranty ⁴	3 year (includes backlight)											
Available date	November 2006											
LIMITED WARRANTY <ul style="list-style-type: none"> ↪ 3 year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (ThinkPlus part number 41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus part number 41C9231) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (ThinkPlus part number 41C9232) ↪ 24x7² day toll-free support for warranty issues during the warranty period⁴ 		ACCESSORIES <table border="0"> <tr> <td>ThinkVision® USB Soundbar</td> <td>40Y7616</td> </tr> <tr> <td>Kensington® MicroSaver® Security Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td>40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td>19K4464</td> </tr> </table> <p>Other options at lenovo.com/accessories</p>	ThinkVision® USB Soundbar	40Y7616	Kensington® MicroSaver® Security Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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See footnotes for important warranty information
US model announced October 31, 2006

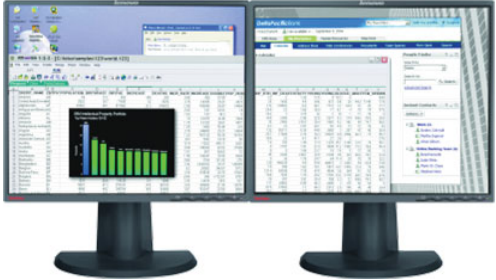
Flat Panel Monitors - US model		FEATURES												
<p>Name L174 Flat Panel Monitor</p> <p>Case color Business black</p> <p>Type-model 9227-AE1</p> <p>Stand Tilt stand</p> <p>Screen LCD Active Matrix TFT (Thin Film Transistor)</p> <p>Viewable image size (diag) 17.0" / 432mm (diagonal)</p> <p>Aspect ratio 5:4</p> <p>Pixel pitch (mm) .264mm</p> <p>Max view area (inches) 13.3" x 10.6" (horizontal x vertical)</p> <p>Max view area (mm) 340mm x 272mm (horizontal x vertical)</p> <p>Viewing angle at 5:1 CR 140° vertical, 152° horizontal</p> <p>Viewing angle at 10:1 CR 130° vertical, 140° horizontal</p> <p>Video input Analog</p> <p>Dual input No</p>		<ul style="list-style-type: none"> • All-purpose 17-inch flat panel LCD monitor • EPEAT™ Gold rating • Resolution of 1280x1024 provides crisp screen images • Slim 15.6mm (0.61") side bezel • Stand tilts for comfortable viewing • Direct access for automatic image setup and brightness • Quick and easy monitor adjustments using on-screen-display • Scaling allows full screen viewing of resolutions less than 1280x1024 • Integrated power supply eliminates the bulky power adapter for improved cable management • Lockable digital controls • Complements the ThinkCentre® and ThinkPad® systems 												
<p>Optimum resolution 1280x1024 at 60Hz</p> <p>Maximum resolution 1280x1024 at 76Hz (140MHz maximum pixel rate)</p> <p>Vertical frequency 55 to 75Hz</p> <p>Horizontal frequency 30 to 83kHz</p> <p>Preset display modes</p> <table border="0"> <tr> <td>VGA: 640x480</td> <td>60, 66, 72, 75Hz</td> </tr> <tr> <td>640x350</td> <td>70Hz</td> </tr> <tr> <td>720x400</td> <td>70Hz</td> </tr> <tr> <td>SVGA: 800x600</td> <td>60, 72, 75Hz</td> </tr> <tr> <td>XGA: 1024x768</td> <td>60, 70, 75Hz</td> </tr> <tr> <td>SXGA: 1280x1024</td> <td>60, 70, 75, 76Hz</td> </tr> </table> <p>Presets / user settings Standard presets: 16; user settings: 20</p> <p>Brightness 250 nits or cd/m² (typical)</p> <p>Contrast ratio 700:1 (typical)</p> <p>Pixel response time 5ms (typical)</p> <p>Color gamut 72%</p> <p>Scaling Can expand image of lower resolution to full screen of 1280x1024</p>	VGA: 640x480	60, 66, 72, 75Hz	640x350	70Hz	720x400	70Hz	SVGA: 800x600	60, 72, 75Hz	XGA: 1024x768	60, 70, 75Hz	SXGA: 1280x1024	60, 70, 75, 76Hz		 <p>Lenovo ThinkVision L174</p>
VGA: 640x480	60, 66, 72, 75Hz													
640x350	70Hz													
720x400	70Hz													
SVGA: 800x600	60, 72, 75Hz													
XGA: 1024x768	60, 70, 75Hz													
SXGA: 1280x1024	60, 70, 75, 76Hz													
<p>On screen display On screen display with digital user controls (7 languages)</p> <p>Control features Direct access (buttons on front) for auto adjustment and brightness; contrast; image horizontal and vertical position; user color settings (3 preset + 1 user); on screen display (OSD) language selection; menu position; information screen; image setup; image size to show normal or expanded format; reset of geometry and color point to factory default settings; lockable settings</p> <p>Monitor connector One connector: analog VGA 15-pin D-shell [blue]</p> <p>Signal cable Analog cable, detachable, VGA 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor</p> <p>Anti-reflective Anti-reflective, anti-glare</p> <p>Dimensions 15.3"H x 14.6"W x 6.8"D / 387mm height x 371mm width x 173mm depth</p> <p>Weight 9.1 lb / 4.2kg</p> <p>Viewing adjustments Tilt: 30° back, 4° forward, no swivel, no lift, detachable stand</p> <p>Mounting features Wall or desk mounting using the TFT Radial Arm⁹ or third-party accessories meeting the VESA FPMPI[®] (100mm mount)</p> <p>Security Security keyhole for attachment of optional cable lock (Kensington[®] lock-compatible)</p>														
<p>VESA-compliant² VESA DDC2B/CI, VESA DPMS-compliant</p> <p>Power management ENERGY STAR^{®3} 4.1 Tier 2</p> <p>Ergonomics ISO 13406 Part 2¹</p> <p>Pixel defect ISO 13406-2 Class II pixel defect standard</p> <p>Emission standards MPR-2, MPR-3A, FCC Class B</p> <p>Environmental TCO 03, WEEE, RoHS (EU Directive 2002/95/EC), EPEAT™ Gold rating</p> <p>Ship group Monitor, attached stand, customer installable base, Setup Guide, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, 1.8m black power cord</p> <p>Power supply 100-240Vac (universal), integrated (no external brick-like power supply), 20 watts typical, <2 watts standby/suspend</p> <p>Limited warranty⁴ 3 year (includes backlight)</p> <p>Available date April 2008</p>														
<p align="center">LIMITED WARRANTY</p> <p>↪ 3-year limited warranty⁴</p> <p>↪ International Warranty Service⁵</p> <p>↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378)</p> <p>↪ Replacement normally arrives in two business days, excluding holidays</p> <p>↪ Lenovo pays all shipping costs for valid warranty claims⁶</p> <p>↪ Service upgrade options:⁷</p> <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) <p>↪ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴</p>	<p align="center">ACCESSORIES</p> <table border="0"> <tr> <td>ThinkVision® USB Soundbar</td> <td>40Y7616</td> </tr> <tr> <td>Kensington® MicroSaver® Security Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td>40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td>19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p> <p>Post-warranty maintenance services at lenovo.com/warranty</p>	ThinkVision® USB Soundbar	40Y7616	Kensington® MicroSaver® Security Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464			
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ThinkVision TFT Radial Arm ⁹	19K4464													

See footnotes for important warranty information
US model announced April 15, 2006

<p>Name L1700p Flat Panel Monitor Case color Business black Type-model 9417-HE2 Panel TFT-LCD, twisted nematic (TN), CCFL 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 at 60Hz Maximum resolution 1280x1024 at 75Hz (135MHz max pixel rate) Aspect ratio 5:4 Pixel pitch (mm) 0.264mm Dot/Pixel per Inch 96 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-glare Vertical frequency 55 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: 0.63" (16.1mm); top: 0.73" (18.6mm); bottom: 1.07" (27.2mm)</p>	<p>Features</p> <ul style="list-style-type: none"> • Regular screen 17-inch monitor • Supports SXGA 1280x1024 resolution • 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 • Carrying handle • Microsoft® Windows® Vista® certified
<p>Dimensions (HxWxD) 14.4-18.7" H x 14.6" W x 6.7-7.8" D; 366.1-476.1mm H x 371.3mm W x 170.2-223.3mm D Power supply 16 watts typical, 21 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply) Weight 10.5 lb; 4.8kg Limited warranty⁴ 3 year (includes backlight) Available date September 2008</p>	 <p>ThinkVision L1700p Monitor</p>
<p>VESA-compliant² VESA DDC2B/CI, VESA DPMS-compliant Power management ENERGY STAR[®] 4.1 Tier 2 Ergonomics ISO 13406 Part 2¹ 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</p>	
<p>Preset resolutions VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 WXGA: 1280x720, 1280x768 SXGA: 1280x1024 Presets / user settings Standard presets: 21; user settings: 20</p>	<p>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 Radial Arm⁹ or third-party accessories meeting the VESA FPMPI[®] (100mm mount) Security Security keyhole for attachment of optional cable lock (Kensington[®] lock-compatible)</p>
<p>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</p>	

<p>Limited Warranty</p> <ul style="list-style-type: none"> ↪ 3 year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ↪ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴ 	<p>Accessories</p> <table border="0"> <tr> <td>ThinkVision USB Soundbar</td> <td>40Y7616</td> </tr> <tr> <td>Kensington® Cable Lock from Lenovo</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td>40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td>19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	ThinkVision USB Soundbar	40Y7616	Kensington® Cable Lock from Lenovo	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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See footnotes for important warranty information
 US model announced September 17, 2008

Flat Panel Monitors - US model	FEATURES
<p>Name L190x Flat Panel Monitor Case color Business black Type-model 4439-HB2 Stand Tilt, swivel, pivot, and height adjustable Screen LCD Active Matrix TFT (Thin Film Transistor) Viewable image size (diag) 19.0" / 482mm (diagonal) Aspect ratio 5:4 Pixel pitch (mm) .29mm Max view area (inches) 14.8" x 11.8" (horizontal x vertical) Max view area (mm) 376mm x 301mm (horizontal x vertical) Viewing angle at 10:1 CR 178° (+/- 89°) vertical, 178° (+/- 89°) horizontal Video input Digital or analog (two separate connectors) Dual input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) Rotating screen Screen pivots 90 degrees from landscape to portrait (requires image rotation support from graphics controller), auto-rotation without software USB hub USB 2.0 Hub (1 port into PC, 4 ports for accessories)</p>	<ul style="list-style-type: none"> • All-purpose 19-inch flat panel monitor • EPEAT™ Gold rating • Ultra slim 6.6mm (0.26") side bezel • Ideal for dual monitor solution with ultra slim bezels • High-bandwidth Digital Content Protection (HDCP)-compliant • USB hub (four powered ports) • Carrying handle • Ergonomic stand tilts, swivels, pivots and provides a 110mm range height adjustment for comfortable viewing • Quick and easy monitor adjustments with on-screen-display via OnScreen Manager™ (softOSM™) • Includes dual input connection for attachment to two systems concurrently (analog and digital) • Rear stand cover and clip to hide cables • Complements the ThinkCentre® and ThinkPad® systems • Microsoft® Windows® Vista™ Premium certified
<p>Optimum resolution 1280x1024 at 60Hz Maximum resolution 1280x1024 at 76Hz (135MHz maximum pixel rate) Vertical frequency 50 to 75Hz Horizontal frequency 30 to 80kHz Preset display modes VGA: 640x480 60, 66 (Mac), 72, 75Hz 640x350 70Hz 720x400 70Hz SVGA: 800x600 60, 72, 75Hz XGA: 1024x768 60, 70, 75Hz 1152x864 75Hz SXGA: 1280x1024 60, 72, 75Hz Standard presets: 16; user settings: 16 Presets / user settings Brightness 250 nits or cd/m² (typical) Contrast ratio 1500:1 (typical) Pixel response time 25ms (typical) Color gamut 72%</p>	 <p style="text-align: center;">Two Lenovo ThinkVision L190x monitors: ideal for dual monitor solution with 6.6mm ultra slim bezel</p>
<p>On screen display (1) On screen display with digital user controls (7 languages) (2) EnTech Taiwan OnScreen Manager™ (softOSM™) Control features Direct access (buttons on front) for automatic image setup Monitor connectors Two connectors: (1) analog VGA 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital (not analog) attach [white], HDCP-compliant Signal cables Two cables: (1) detachable, VGA 15-pin D-shell at each end (for analog connector), 3.0 meter, matches color of monitor (2) detachable digital, DVI-D at each end (for digital connector), 3.0 meter, matches color of monitor Anti-reflective Anti-reflective, anti-glare Dimensions 14.4"H min lift (20.0" max lift) x 15.5"W x 9.4"D / 366mm min lift (476mm max lift) height x 393mm width x 240mm depth Weight 13.2 lb / 6.0kg Viewing adjustments Tilt: 30° back, 0° forward / lift: 4.3" (110mm), swivel: +/-45°, detachable stand Mounting features Wall or desk mounting using the Radial Arm® or third-party accessories meeting the VESA FPMPI® (100mm mount) Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>	
<p>VESA-compliant² VESA DDC2B/CI, VESA DPMS-compliant Power management ENERGY STAR® 4.0 Ergonomics ISO 13406 Part 2¹ 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 Ship group 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, 3 meter USB cable, 1.8m black power cord Power supply 90-264Vac (universal), integrated (no external brick-like power supply), 31 watts typical, <2 watts standby/suspend Limited warranty⁴ 3 year (includes backlight) Available date November 2007</p>	

LIMITED WARRANTY	ACCESSORIES										
<ul style="list-style-type: none"> ↪ 3 year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ↪ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴ 	<table border="0"> <tr> <td>ThinkVision® USB Soundbar</td> <td style="text-align: right;">40Y7616</td> </tr> <tr> <td>Kensington® MicroSaver® Security Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td style="text-align: right;">40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td style="text-align: right;">19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	ThinkVision® USB Soundbar	40Y7616	Kensington® MicroSaver® Security Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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See footnotes for important warranty information
 US model announced October 23, 2007

Flat Panel Monitors - US model		FEATURES
Name	L193p Flat Panel Monitor	<ul style="list-style-type: none"> • All-purpose 19-inch flat panel monitor • EPEAT™ Gold rating • High-bandwidth Digital Content Protection (HDCP)-compliant • Slim 15.2 mm (0.60") side bezel • Carrying handle • Ergonomic stand tilts, swivels, pivots and provides a 110mm range height adjustment for comfortable viewing • Quick and easy monitor adjustments with on-screen-display via OnScreen Manager™ (<i>soft OSM™</i>) • Includes dual input connection for attachment to two systems concurrently (analog and digital) • Rear stand cover and clip to hide cables • Complements the ThinkCentre® and ThinkPad® systems • Microsoft® Windows® Vista™ Premium certified
Case color	Business black	
Type-model	4431-HB2	
Stand	Tilt, swivel, pivot, and height adjustable stand	
Screen	LCD Active Matrix TFT (Thin Film Transistor)	
Viewable image size (diag)	19.0" / 483mm (diagonal)	
Aspect ratio	5:4	
Pixel pitch (mm)	.29mm	
Max view area (inches)	14.8" x 11.9" (horizontal x vertical)	
Max view area (mm)	376mm x 301mm (horizontal x vertical)	
Viewing angle at 10:1 CR	160° (+/- 80°) vertical, 160° (+/- 80°) horizontal	
Video input	Digital or analog (two separate connectors)	
Dual input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)	
Rotating screen	Screen pivots 90 degrees from landscape to portrait (requires image rotation support from graphics controller), auto-rotation without software	
USB hub	None	
Optimum resolution	1280x1024 at 60Hz	
Maximum resolution	1280x1024 at 75Hz (135MHz maximum pixel rate)	
Vertical frequency	56 to 76Hz	
Horizontal frequency	30 to 81kHz	
Preset display modes	VGA: 640x480 60, 66 (Mac), 72, 75Hz 640x350 70Hz 720x400 70Hz SVGA: 800x600 60, 72, 75Hz 832x624 75Hz (Mac) XGA: 1024x768 60, 70, 75 (Mac), 75Hz 1152x864 75Hz 1152x870 75Hz 1152x900 66Hz SXGA: 1280x1024 60, 72, 75, 76 (Sun) Hz	
Presets / user settings	Standard presets: 21; user settings: 17	
Brightness	300 nits or cd/m ² (typical)	
Contrast ratio	800:1 (typical)	
Pixel response time	5ms (typical)	
Color gamut	72%	
On screen display	(1) On screen display with digital user controls (7 languages) (2) EnTech Taiwan OnScreen Manager™ (<i>soft OSM™</i>)	
Control features	Direct access (buttons on front) for automatic image setup	
Monitor connectors	Two connectors: (1) analog VGA 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital (not analog) attach [white], HDCP-compliant	
Signal cables	Two cables: (1) detachable, VGA 15-pin D-shell at each end (for analog connector), 3.0 meter, matches color of monitor (2) detachable digital, DVI-D at each end (for digital connector), 3.0 meter, matches color of monitor	
Anti-reflective	Anti-reflective, anti-glare	
Dimensions	14.9"H min lift (19.2" max lift) x 16.1"W x 9.4"D / 379mm min lift (489mm max lift) height x 408mm width x 240mm depth	
Weight	13.0 lb / 6.0kg	
Viewing adjustments	Tilt: 30° back, 0° forward / lift: 4.3" (110mm), swivel: +/-45°, detachable stand	
Mounting features	Wall or desk mounting using the Radial Arm ⁹ or third-party accessories meeting the VESA FPMPI [®] (100mm mount)	
Security	Security keyhole for attachment of optional cable lock (Kensington [®] lock-compatible)	
VESA-compliant ²	VESA DDC2B/CI, VESA DPMS-compliant	
Power management	ENERGY STAR ^{®3} 4.0	
Ergonomics	ISO 13406 Part 2 ¹	
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	
Ship group	Monitor, attached stand, Setup poster, 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	
Power supply	90-264Vac (universal), integrated (no external brick-like power supply), 30 watts typical, <2 watts standby/suspend	
Limited warranty ⁴	3 year (includes backlight)	
Available date	November 2007	



Lenovo ThinkVision L193p

LIMITED WARRANTY	ACCESSORIES										
<ul style="list-style-type: none"> ↪ 3 year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ↪ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴ 	<table border="0"> <tr> <td>ThinkVision® USB Soundbar</td> <td>40Y7616</td> </tr> <tr> <td>Kensington® MicroSaver® Security Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td>40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td>19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	ThinkVision® USB Soundbar	40Y7616	Kensington® MicroSaver® Security Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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See footnotes for important warranty information
US model announced October 23, 2007

Flat Panel Monitors - US model		FEATURES										
Name	L194 Wide Flat Panel Monitor	<ul style="list-style-type: none"> • Widescreen 19-inch flat panel monitor • EPEAT™ Gold rating • View images in a 16:10 wide aspect ratio • Resolution of 1440x900 provides crisp screen images • Slim 14.3mm (0.56") side bezel • High-bandwidth Digital Content Protection (HDCP)-compliant • Includes dual input connection for attachment to two systems concurrently (analog and digital) • Complements the ThinkCentre® and ThinkPad® systems • Microsoft® Windows® Vista™ Premium certified 										
Case color	Business black											
Type-model	4434-HB6											
Stand	Tilt stand											
Screen	LCD Active Matrix TFT (Thin Film Transistor)											
Viewable image size (diag)	19.0" / 481mm (diagonal)											
Aspect ratio	16:10											
Pixel pitch (mm)	.285mm											
Max view area (inches)	16.1" x 10.0" (horizontal x vertical)											
Max view area (mm)	408mm x 255mm (horizontal x vertical)											
Viewing angle at 5:1 CR	176° (+/- 88°) vertical, 176° (+/- 88°) horizontal											
Viewing angle at 10:1 CR	160° (+/- 80°) vertical, 160° (+/- 80°) horizontal											
Video input	Digital or analog (two separate connectors)											
Dual input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)											
Rotating screen	No pivot											
USB Hub	None											
Optimum resolution	1440x900 at 60Hz											
Maximum resolution	1440x900 at 75Hz (137MHz maximum pixel rate)											
Vertical frequency	50 to 76Hz											
Horizontal frequency	30 to 81kHz											
Preset display modes	VGA: 640x480 60, 66, 72, 75Hz 640x350 70Hz 720x400 70Hz SVGA: 800x600 56, 60, 72, 75Hz 832x624 75Hz XGA: 1024x768 60, 70, 75Hz 1152x864 75Hz SXGA: 1280x1024 60, 70, 75Hz WXGA+: 1440x900 60, 75Hz											
Presets / user settings	Standard presets: 20; user settings: 20											
Brightness	300 nits or cd/m ² (typical)											
Contrast ratio	1000:1 (typical)											
Pixel response time	5ms (typical)											
On screen display	On screen display with digital user controls (7 languages)											
Control features	Direct access (buttons on front) for automatic image setup											
Monitor connectors	Two connectors: (1) analog VGA 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital (not analog) attach [white], HDCP-compliant											
Signal cables	Two cables: (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											
Anti-reflective	Anti-reflective, anti-glare											
Dimensions	15.0"H x 17.3"W x 7.0"D / 381mm height x 440mm width x 179mm depth											
Weight	9.1lb / 4.15kg											
Viewing adjustments	Tilt: 30° back, 4° forward / no lift, no swivel, detachable stand											
Mounting features	Wall or desk mounting using the Radial Arm® or third-party accessories meeting the VESA FPMPI® (100mm mount)											
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)											
VESA-compliant ²	VESA DDC2B/CI, VESA DPMS-compliant											
Power management	ENERGY STAR® ³ 4.0											
Ergonomics	ISO 13406 Part 2 ¹											
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											
Ship group	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											
Power supply	90-264Vac (universal), integrated (no external brick-like power supply), 29 watts typical, <2 watts standby/suspend											
Limited warranty ⁴	3 year (includes backlight)											
Available date	October 2007											
<p align="center">LIMITED WARRANTY</p> <ul style="list-style-type: none"> ↪ 3 year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ↪ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴ 		<p align="center">ACCESSORIES</p> <table border="0"> <tr> <td>ThinkVision® USB Soundbar</td> <td>40Y7616</td> </tr> <tr> <td>Kensington® MicroSaver® Security Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td>40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td>19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	ThinkVision® USB Soundbar	40Y7616	Kensington® MicroSaver® Security Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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Lenovo ThinkVision L194 Wide

See footnotes for important warranty information
US model announced October 9, 2007

Flat Panel Monitors - US model		FEATURES
Name	L197 Wide Flat Panel Monitor	<ul style="list-style-type: none"> • Widescreen 19-inch flat panel monitor • EPEAT™ Gold rating • View images in a 16:10 wide aspect ratio • Resolution of 1440x900 provides crisp screen images • Slim 14.3mm (0.56") side bezel • High-bandwidth Digital Content Protection (HDCP)-compliant • Includes dual input connection for attachment to two systems concurrently (analog and digital) • Complements the ThinkCentre® and ThinkPad® systems • Microsoft® Windows® Vista™ Premium certified
Case color	Business black	
Type-model	4434-HE1	 <p style="text-align: center;">Lenovo ThinkVision L197 Wide</p>
Stand	Tilt stand	
Screen	LCD Active Matrix TFT (Thin Film Transistor)	
Viewable image size (diag)	19.0" / 481mm (diagonal)	
Aspect ratio	16:10	
Pixel pitch (mm)	.285mm	
Max view area (inches)	16.1" x 10.0" (horizontal x vertical)	
Max view area (mm)	408mm x 255mm (horizontal x vertical)	
Viewing angle at 5:1 CR	176° vertical, 176° horizontal	
Viewing angle at 10:1 CR	160° vertical, 170° horizontal	
Video input	Digital or analog (two separate connectors)	
Dual input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)	
Rotating screen	No pivot	
USB Hub	None	
Optimum resolution	1440x900 at 60Hz	
Maximum resolution	1440x900 at 75Hz (137MHz maximum pixel rate)	
Vertical frequency	50 to 76Hz	
Horizontal frequency	30 to 81kHz	
Preset display modes	VGA: 640x480 60, 66, 72, 75Hz 640x350 70Hz 720x400 70Hz SVGA: 800x600 56, 60, 72, 75Hz 832x624 75Hz XGA: 1024x768 60, 70, 75Hz 1152x864 75Hz SXGA: 1280x1024 60, 70, 75Hz WXGA+: 1440x900 60, 75Hz	
Presets / user settings	Standard presets: 20; user settings: 20	
Brightness	250 nits or cd/m ² (typical)	
Contrast ratio	1000:1 (typical)	
Pixel response time	5ms (typical)	
Color gamut	72%	
On screen display	On screen display with digital user controls (7 languages)	
Control features	Direct access (buttons on front) for automatic image setup	
Monitor connectors	Two connectors: (1) analog VGA 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital (not analog) attach [white], HDCP-compliant	
Signal cables	Two cables: (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	
Anti-reflective	Anti-reflective, anti-glare	
Dimensions	15.0"H x 17.3"W x 7.0"D / 381mm height x 440mm width x 179mm depth	
Weight	9.15lb / 4.15kg	
Viewing adjustments	Tilt: 30° back, 4° forward / no lift, no swivel, detachable stand	
Mounting features	Wall or desk mounting using the Radial Arm ⁹ or third-party accessories meeting the VESA FPMPI [®] (100mm mount)	
Security	Security keyhole for attachment of optional cable lock (Kensington [®] lock-compatible)	
VESA-compliant ²	VESA DDC2B/CI, VESA DPMS-compliant	
Power management	ENERGY STAR ^{®3} 4.1 Tier 2	
Ergonomics	ISO 13406 Part 2 ¹	
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	
Ship group	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	
Power supply	90-264Vac (universal), integrated (no external brick-like power supply), 22 watts typical, <2 watts standby/suspend	
Limited warranty ⁴	3 year (includes backlight)	
Available date	April 2008	

LIMITED WARRANTY	ACCESSORIES										
<ul style="list-style-type: none"> ↪ 3 year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ↪ 24x7⁹ day toll-free support for warranty issues during the warranty period⁴ 	<table border="0"> <tr> <td>ThinkVision® USB Soundbar</td> <td>40Y7616</td> </tr> <tr> <td>Kensington® MicroSaver® Security Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td>40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td>19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	ThinkVision® USB Soundbar	40Y7616	Kensington® MicroSaver® Security Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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ThinkVision TFT Radial Arm ⁹	19K4464										

See footnotes for important warranty information
US model announced April 15, 2008

<p>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-glare 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 lb; 5.7kg Limited warranty⁴ 3 year (includes backlight) Available date November 2008</p>	<p>Features</p> <ul style="list-style-type: none"> • Regular screen 19-inch monitor • Supports SXGA 1280x1024 resolution • 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 • Microsoft® Windows® Vista® certified
<p>VESA-compliant² VESA DDC2B/CI, VESA DPMS-compliant Power management ENERGY STAR® 3.0 Tier 2 Ergonomics ISO 13406 Part 2¹ 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</p>	 <p>ThinkVision L1900p Monitor with optional ThinkVision Soundbar</p>
<p>Preset resolutions VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024 Presets / user settings Standard presets: 21; user settings: 17</p>	
<p>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 Radial Arm⁹ or third-party accessories meeting the VESA FPMPI® (100mm mount) Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>	
<p>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</p>	

<p>Limited Warranty</p> <ul style="list-style-type: none"> ↪ 3 year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ↪ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴ 	<p>Accessories</p> <table border="0"> <tr> <td>ThinkVision Soundbar (L1900p, 24" Wide)</td> <td>45K1263</td> </tr> <tr> <td>Kensington® Cable Lock from Lenovo</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td>40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td>19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	ThinkVision Soundbar (L1900p, 24" Wide)	45K1263	Kensington® Cable Lock from Lenovo	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
ThinkVision Soundbar (L1900p, 24" Wide)	45K1263										
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Kensington Twin Head Cable Lock	45K1620										
ThinkPad Convertible Monitor Stand	40Y7620										
ThinkVision TFT Radial Arm ⁹	19K4464										

See footnotes for important warranty information
 US model announced November 11, 2008

<p>Name L1940p Wide Flat Panel Monitor Case color Business black Type-model 4424-HB6 Panel TFT-LCD, twisted nematic (TN), CCFL backlight Viewable image size 19.0" (481mm) diagonal Max view area (W x H) 16.1" x 10" (408.2mm x 255.2mm) Optimum resolution 1440x900 at 60Hz Maximum resolution 1440x900 at 75Hz (137MHz max pixel rate) Aspect ratio 16:10 Pixel pitch (mm) .285mm Dot/Pixel per Inch 89 dpi Brightness 250 nits or cd/m² (typical) Contrast ratio 1000:1 (typical) Pixel response time 5ms (typical) Color gamut 72% Anti-reflective Anti-reflective, anti-glare Vertical frequency 50 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: 0.61" (15.4mm); top: 0.65" (16.4mm); bottom: 1.1" (27.9mm) Dimensions (HxWxD) 14-18.3" H x 17.3" W x 7.4-9.5" D; 356.1-466.1mm H x 440.2mm W x 188-241.1mm D Power supply 16 watts typical, 23 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply) Weight 12.8 lb; 5.8kg Limited warranty⁴ 3 year (includes backlight) Available date October 2008</p>	<p>Features</p> <ul style="list-style-type: none"> • Widescreen 19-inch monitor • Supports WXGA+ 1440x900 resolution • 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 • Microsoft® Windows® Vista® certified 										
<p>VESA-compliant² VESA DDC2B/CI, VESA DPMS-compliant Power management ENERGY STAR^{®3} 4.1 Tier 2 Ergonomics ISO 13406 Part 2¹ 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</p>	 <p>ThinkVision L1940p Wide Monitor</p>										
<p>Preset resolutions VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 WXGA: 1280x720, 1280x768 SXGA: 1280x1024 WXGA+: 1440x900 Presets / user settings Standard presets: 22; user settings: 20</p>											
<p>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 Radial Arm⁹ or third-party accessories meeting the VESA FPMPI[®] (100mm mount) Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>											
<p>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</p>											
<p>Limited Warranty</p> <ul style="list-style-type: none"> ⇒ 3 year limited warranty⁴ ⇒ International Warranty Service⁵ ⇒ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ⇒ Replacement normally arrives in two business days, excluding holidays ⇒ Lenovo pays all shipping costs for valid warranty claims⁶ ⇒ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ⇒ 24x7⁹ day toll-free support for warranty issues during the warranty period⁴ 	<p>Accessories</p> <table border="0"> <tr> <td>ThinkVision USB Soundbar</td> <td>40Y7616</td> </tr> <tr> <td>Kensington® Cable Lock from Lenovo</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td>40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td>19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	ThinkVision USB Soundbar	40Y7616	Kensington® Cable Lock from Lenovo	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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See footnotes for important warranty information
 US model announced September 17, 2008

Flat Panel Monitors - US model	FEATURES										
<p>Name L200p Wide Flat Panel Monitor Case color Business black Type-model 4438-HB6 Stand Tilt, swivel, pivot, and height adjustable stand Screen LCD Active Matrix TFT (Thin Film Transistor) Viewable image size (diag) 20.1" / 51mm (diagonal) Aspect ratio 16:10 Pixel pitch (mm) .258mm Max view area (inches) 17.0" x 10.7" (horizontal x vertical) Max view area (mm) 433mm x 271mm (horizontal x vertical) Viewing angle at 5:1 CR 160° (+70°/- 80°) vertical, 160° (+70°/- 80°) horizontal Viewing angle at 10:1 CR 160° (+70°/- 80°) vertical, 160° (+70°/- 80°) horizontal Video input Digital or analog (two separate connectors) Dual input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) Rotating screen Screen pivots 90 degrees from landscape to portrait (requires image rotation support from graphics controller), auto-rotation without software</p>	<ul style="list-style-type: none"> • Widescreen 20.1-inch flat panel monitor • EPEAT™ Gold rating • View images in a 16:10 wide aspect ratio • Resolution of 1680x1050 provides crisp screen images • Slim 17.9mm (0.7") side bezel • High-bandwidth Digital Content Protection (HDCP)-compliant • Ergonomic stand tilts, swivels, pivots and provides a 110mm range height adjustment for comfortable viewing • Includes dual input connection for attachment to two systems concurrently (analog and digital) • Complements the ThinkCentre® and ThinkPad® systems • Microsoft® Windows® Vista™ Premium certified 										
<p>USB Hub Optimum resolution 1680x1050 at 60Hz Maximum resolution 1680x1050 at 75Hz (190MHz maximum pixel rate) Vertical frequency 50 to 75Hz Horizontal frequency 30 to 83kHz Preset display modes Presets / user settings Brightness Contrast ratio Pixel response time Color gamut</p>	<div data-bbox="1057 520 1344 961" data-label="Image"> </div> <p data-bbox="1057 972 1377 997" data-label="Caption"> Lenovo ThinkVision L200p Wide </p>										
<p>On screen display Control features Monitor connectors Signal cables Anti-reflective Dimensions Weight Viewing adjustments Mounting features Security</p>	<p>(1) On screen display with digital user controls (7 languages) (2) EnTech Taiwan OnScreen Manager™ (<i>soft OSM™</i>) Direct access (buttons on front) for automatic image setup Two connectors: (1) analog VGA 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital (not analog) attach [white], HDCP-compliant Two cables: (1) detachable, VGA 15-pin D-shell at each end (for analog connector), 2.2 meter, matches color of monitor (2) detachable digital, DVI-D at each end (for digital connector), 2.2 meter, matches color of monitor Anti-reflective, anti-glare 14.4"H x 18.5"W x 9.6"D / 366mm height x 471mm width x 245mm depth 13lb / 5.9kg Tilt: 30° back, 0° forward / lift: 4.3" (110mm) / swivel: +/-45° / detachable stand Wall or desk mounting using the Radial Arm® or third-party accessories meeting the VESA FPMPI® (100mm mount) Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>										
<p>VESA-compliant² Power management Ergonomics Pixel defect Emission standards Environmental Ship group Power supply Limited warranty⁴ Available date</p>	<p>VESA DDC2B/CI, VESA DPMS-compliant ENERGY STAR® 4.1 Tier 2 ISO 13406 Part 2¹ ISO 13406-2 Class II pixel defect standard MPR-2, MPR-3A, FCC Class B TCO 03, WEEE, RoHS (EU Directive 2002/95/EC), EPEAT™ Gold rating 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 100-240Vac (universal), integrated (no external brick-like power supply), 42 watts typical, <2 watts standby/suspend 3 year (includes backlight) May 2008</p>										
<p data-bbox="435 1566 651 1591" data-label="Section-Header"> LIMITED WARRANTY </p> <ul style="list-style-type: none"> ↪ 3 year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ↪ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴ 	<p data-bbox="1133 1566 1295 1591" data-label="Section-Header"> ACCESSORIES </p> <table border="0"> <tr> <td>ThinkVision® USB Soundbar</td> <td>40Y7616</td> </tr> <tr> <td>Kensington® MicroSaver® Security Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td>40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td>19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	ThinkVision® USB Soundbar	40Y7616	Kensington® MicroSaver® Security Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm⁹	19K4464
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See footnotes for important warranty information
 US model announced April 15, 2008

Flat Panel Monitors - US model		POSITIONING
<p>Name Lenovo D221 Wide Flat Panel Monitor Case color Business black Type-model 6622-HB1 US Govt model (TAA)¹⁰ No Stand Tilt stand Screen LCD Active Matrix TFT (Thin Film Transistor) Viewable image size 22.0" / 559mm (diagonal) Aspect ratio 16:10 Pixel pitch (mm) 0.282mm Max view area (inches) 18.7" x 11.6" (horizontal x vertical) Max view area (mm) 474mm x 296mm (horizontal x vertical) Viewing angle at 5:1 CR 176° vertical, 176° horizontal Viewing angle at 10:1 CR 160° vertical, 160° horizontal Video input Digital or analog (two separate connectors) Dual input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)</p>	<p>Rotating screen None</p> <p>Optimum resolution 1680x1050 at 60Hz Maximum resolution 1680x1050 at 60Hz (146MHz maximum pixel rate) Vertical frequency 56 to 76Hz Horizontal frequency 30 to 83kHz Display colors (maximum) 16.7 million simultaneous colors Preset display modes VGA: 640x480 60, 72, 75Hz 720x400 70Hz SVGA: 800x600 56, 60Hz, 75 832x624 75Hz XGA: 1024x768 60, 70, 75 Hz 1152x864 75Hz SXGA: 1280x1024 60, 70, 75, 76Hz WSXGA+: 1680x1050 60</p> <p>Presets / user settings Standard presets: 17; user settings: 15 Brightness 300 nits or cd/m² (typical) Contrast ratio 700:1 (typical) Pixel response time 5ms (typical) Scaling Automatically expands image of lower resolution to full screen of 1680x1050</p>	<p>• The Lenovo D221 Wide monitor is best suited for general business applications.</p> <p>FEATURES</p> <ul style="list-style-type: none"> • All-purpose 22-inch wide flat panel LCD monitor • View six more spreadsheet columns compared with standard 19" flat panel monitors • View two actual-size A4 pages side by side • View images in a 16x10 wide aspect ratio • Slim 19.6mm (0.77") side bezel • Resolution of 1680x1050 provides crisp screen images • Stand tilts for comfortable viewing • Direct access for automatic image setup and brightness • Quick and easy monitor adjustments using on-screen-display • Matching design to Lenovo notebooks and desktops • A great replacement for a 17" or 19" CRT or LCD monitor • Scaling allows full screen viewing of resolutions less than 1680x1050 • Integrated power supply eliminates the bulky power adapter for improved cable management • Lockable digital controls
<p>On screen display On screen display with digital user controls (7 languages) Control features Direct access (buttons on front) for auto adjustment and brightness; contrast; image horizontal and vertical position; user color settings (3 preset + 1 user); on screen display (OSD) language selection; menu position; information screen; image setup; reset of geometry and color point to factory default settings; lockable settings</p> <p>Monitor connectors Two connector: (1) analog VGA 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital attach [white] Signal cable Two cables: (1) detachable, VGA 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor (2) detachable, DVI-D at each end (for digital connector), 1.8 meter, matches color of monitor</p> <p>Anti-reflective / anti-glare Anti-reflective / anti-glare Dimensions 16.0" H x 20.25" W x 9.4" D / 406mm height x 514mm width x 240mm depth Weight 13.7 lb / 6.2 kg Viewing adjustments Tilt: 20° back, 5° forward / no swivel / no lift / detachable stand Mounting features Wall or desk mounting using the TFT Radial Arm⁹ or third-party accessories meeting the VESA FPMPI[®] (100mm mount) Security Security keyhole for attachment of optional cable lock (such as Kensington[®] Microsaver[®] lock)</p>	<p>VESA DDC² 2B/CI VESA DPMS-compliant DPMS Power management ENERGY STAR[®] 4.0 Ergonomics ISO 13406 Part 2¹ Pixel defect ISO 13406-2 Class II pixel defect standard Emission standards MPR-2 / MPR-3A / FCC Class B Environmental label TCO 99 / WEEE / RoHS (EU Directive 2002/95/EC) Ship group Monitor, attached stand, customer installable base, 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</p> <p>Power supply 100-240Vac (universal) / integrated (no external brick-like power supply) / 45 watts typical (<2 watts for "active off") Limited warranty⁴ 3 year (includes backlight) Available date December 2006</p>	
<p>LIMITED WARRANTY</p> <ul style="list-style-type: none"> ↪ 3-year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3-year, on site exchange, Mon-Fri 9-5 with next day response (Lenovo CareSM part number 41K0554) ↪ Post-warranty maintenance services:¹¹ <ul style="list-style-type: none"> • 1-year, maintenance on site exchange, Mon-Fri 9-5 with next day response (Lenovo Care part number 41K0555) ↪ 24x7⁹ day toll-free support for warranty issues during the warranty period⁴ 	<p>ACCESSORIES</p> <p>ThinkPad[®] Convertible Monitor Stand 40Y7620 ThinkVision[®] TFT Radial Arm⁹ 19K4464</p> <p>Other accessories at lenovo.com/accessories</p> <p>Lenovo Care maintenance services at lenovo.com/warranty</p>	

See footnotes for important warranty information
 US model announced November 21, 2006

Flat Panel Monitors - US model	FEATURES										
<p>Name L220x Wide Flat Panel Monitor Case color Business black Type-model 4433-HB2 Stand Tilt, swivel, pivot, and height adjustable stand Screen LCD Active Matrix TFT (Thin Film Transistor) Viewable image size (diag) 22.0" / 559mm (diagonal) Aspect ratio 16:10 Pixel pitch (mm) .247mm Max view area (inches) 18.7" x 11.65" (horizontal x vertical) Max view area (mm) 473.76mm x 296.1mm (horizontal x vertical) Viewing angle at 10:1 CR 178° (+/- 89°) vertical, 178° (+/- 89°) horizontal Video input Digital or analog (two separate connectors) Dual input Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) Rotating screen Screen pivots 90 degrees from landscape to portrait (requires image rotation support from graphics controller), auto-rotation without software USB hub USB 2.0 Hub (1 port into PC, 4 ports for accessories)</p>	<ul style="list-style-type: none"> • Widescreen 22-inch flat panel monitor • EPEAT™ Gold rating • Supports WUXGA 1920x1200 resolution • High Definition (HD) ready; supports 1080p video • Uses Super Patterned Vertical Alignment (SPVA) for high contrast images with a broader range of the color spectrum • Slim 17.0mm (0.67") side bezel • High-bandwidth Digital Content Protection (HDCP)-compliant • USB hub (four powered ports) • Ergonomic stand tilts, swivels, pivots and provides a 110mm range height adjustment for comfortable viewing • Quick and easy monitor adjustments with on-screen-display via OnScreen Manager™ (soft OSM™) • Includes dual input connection for attachment to two systems concurrently (analog and digital) • Rear stand cover and clip to hide cables • Complements the ThinkCentre® and ThinkPad® systems • Microsoft® Windows® Vista™ Premium certified 										
<p>Optimum resolution 1920x1200 at 60Hz with 92% color gamut Maximum resolution 1920x1200 at 60Hz (205MHz max pixel rate) Vertical frequency 50 to 75Hz Horizontal frequency 30 to 94kHz Preset display modes VGA: 640x480 60, 66, 72, 75Hz 640x350 70Hz 720x400 70Hz SVGA: 800x600 60, 72, 75Hz XGA: 1024x768 60, 70, 75Hz 1152x864 75Hz SXGA: 1280x1024 60, 72, 75 1440x900 60 (reduced blanking), 60, 75 UXGA: 1600x1200 60, 70, 75 WSXGA+: 1680x1050 60 (reduced blanking), 60 WUXGA: 1920x1200 60 (reduced blanking) Presets / user settings Standard presets: 25; user settings: 20 Brightness 325 nits or cd/m² (typical) Contrast ratio 1200:1 (typical) Pixel response time 6ms (typical) Color gamut 92%</p>	 <p>ThinkVision L220x Wide pivots from landscape to portrait</p>										
<p>On screen display (1) On screen display with digital user controls (7 languages) (2) EnTech Taiwan OnScreen Manager™ (soft OSM™) Control features Direct access (buttons on front) for automatic image setup Monitor connectors Two connectors: (1) analog VGA 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital (not analog) attach [white], HDCP-compliant Signal cables Two cables: (1) detachable, VGA 15-pin D-shell at each end (for analog connector), 3.0 meter, matches color of monitor (2) detachable digital, DVI-D at each end (for digital connector), 3.0 meter, matches color of monitor Anti-reflective Anti-reflective, anti-glare Dimensions 14.9"H min lift (19.2" max lift) x 20.1"W x 10.8"D / 377mm min lift (487mm max lift) H x 510mm W x 274mm D Weight 16.9 lb / 7.7kg Viewing adjustments Tilt: 30° back, 0° forward / lift: 4.3" (110mm) / swivel: +/-45° / detachable stand Mounting features Wall or desk mounting using the Radial Arm⁹ or third-party accessories meeting the VESA FPMPI® (100mm mount) Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>											
<p>VESA-compliant² VESA DDC2B/CI, VESA DPMS-compliant Power management ENERGY STAR® 4.0 Ergonomics ISO 13406 Part 2¹ 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 Ship group Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, digital signal cable, 3 meter USB cable, 1.8m black power cord Power supply 100-240Vac (universal), integrated (no external brick-like power supply), 90 watts typical, <2 watts standby/suspend Limited warranty⁴ 3 year (includes backlight) Available date November 2007</p>											
<p style="text-align: center;">LIMITED WARRANTY</p> <ul style="list-style-type: none"> ⇒ 3 year limited warranty⁴ ⇒ International Warranty Service⁵ ⇒ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ⇒ Replacement normally arrives in two business days, excluding holidays ⇒ Lenovo pays all shipping costs for valid warranty claims⁶ ⇒ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ⇒ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴ 	<p style="text-align: center;">ACCESSORIES</p> <table border="0"> <tr> <td>ThinkVision® USB Soundbar</td> <td style="text-align: right;">40Y7616</td> </tr> <tr> <td>Kensington® MicroSaver® Security Cable Lock</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td style="text-align: right;">40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td style="text-align: right;">19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	ThinkVision® USB Soundbar	40Y7616	Kensington® MicroSaver® Security Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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ThinkVision TFT Radial Arm ⁹	19K4464										

See footnotes for important warranty information
 US model announced October 23, 2007

<p>Name L2240p Wide Flat Panel Monitor Case color Business black Type-model 4422-HB6 Panel TFT-LCD, twisted nematic (TN), CCFL backlight Viewable image size 22.0" (559mm) diagonal Max view area (W x H) 18.65" x 11.66" (473.8mm x 296.1mm) Optimum resolution 1680x1050 at 60Hz Maximum resolution 1680x1050 at 75Hz (190MHz max pixel rate) Aspect ratio 16:10 Pixel pitch (mm) .282mm Dot/Pixel per Inch 98 dpi Brightness 250 nits or cd/m² (typical) Contrast ratio 1000:1 (typical) Pixel response time 5ms (typical) Color gamut 72% Anti-reflective Anti-reflective, anti-glare Vertical frequency 50 to 75Hz Horizontal frequency 30 to 83kHz Viewing angle at 10:1 CR 160° (+/- 80°) horizontal, 160° (+/- 80°) vertical Stand Tilt, swivel, pivot, and height adjustable stand Bezel width Sides: 0.69" (17.5mm); top: 0.72" (18.3mm); bottom: 1.11" (28.3mm) Dimensions (HxWxD) 14.9-19.2" H x 20.1" W x 7.4-9.5" D; 378.8-488.8mm H x 510.3mm W x 188-241.1mm D Power supply 21 watts typical, 31 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply) Weight 14 lb; 6.35kg Limited warranty⁴ 3 year (includes backlight) Available date October 2008</p>	<p>Features</p> <ul style="list-style-type: none"> • Widescreen 22-inch monitor • Supports WSXGA+ 1680x1050 resolution • 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 • Carrying handle • 65% recycled packaging materials • Microsoft® Windows® Vista® certified
<p>VESA-compliant² VESA DDC2B/CI, VESA DPMS-compliant Power management ENERGY STAR[®] 4.1 Tier 2 Ergonomics ISO 13406 Part 2¹ 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</p>	 <p>ThinkVision L2240p Wide Monitor</p>
<p>Preset resolutions VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA+: 1440x900 UXGA: 1600x1000 WSXGA+: 1680x1050 Presets / user settings Standard presets: 22; user settings: 20</p>	
<p>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, 2.2 meter (2) detachable, DVI-D at each end, digital, 2.2 meter Mounting features Wall or desk mounting using the Radial Arm⁹ or third-party accessories meeting the VESA FPMPI[®] (100mm mount) Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>	
<p>Ship group Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 2.2 meter analog signal cable, 2.2 meter digital signal cable, 1.8 meter black power cord</p>	

<p>Limited Warranty</p> <ul style="list-style-type: none"> ↪ 3 year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ↪ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴ 	<p>Accessories</p> <table border="0"> <tr> <td>ThinkVision USB Soundbar</td> <td>40Y7616</td> </tr> <tr> <td>Kensington® Cable Lock from Lenovo</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td>40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td>19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	ThinkVision USB Soundbar	40Y7616	Kensington® Cable Lock from Lenovo	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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ThinkVision TFT Radial Arm ⁹	19K4464										

See footnotes for important warranty information
 US model announced September 17, 2008

<p>Name L2440p Wide Flat Panel Monitor Case color Business black Type-model 4420-HB2 Panel TFT-LCD, twisted nematic (TN), CCFL backlight Viewable image size 24.0" (610mm) diagonal Max view area (W x H) 20.4" x 12.8" (518.4mm x 324.0mm) Optimum resolution 1920x1200 at 60Hz Maximum resolution 1920x1200 at 60Hz (205MHz max pixel rate) Aspect ratio 16:10 Pixel pitch (mm) .270mm Dot/Pixel per Inch 94 dpi Brightness 300 nits or cd/m² (typical) Contrast ratio 1000:1 (typical) Pixel response time 5ms (typical) Color gamut 72% Anti-reflective Anti-reflective, anti-glare Vertical frequency 50 to 75Hz Horizontal frequency 30 to 94kHz Viewing angle at 10:1 CR 170° (+/- 85°) horizontal, 160° (+/- 80°) vertical Stand Tilt, swivel, pivot, and height adjustable stand Bezel width Sides: 0.78" (19.9mm); top: 0.78" (19.9mm); bottom: 1.12" (28.4mm) Dimensions (HxWxD) 15.54-19.87" H x 22" W x 8.04-10.13" D; 394.8-504.8mm H x 559.6mm W x 204.3-257.3mm D Power supply 35 watts typical, 50 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply) Weight 17.84 lb; 8.09kg Limited warranty⁴ 3 year (includes backlight) Available date October 2008</p>	<p>Features</p> <ul style="list-style-type: none"> • Widescreen 24-inch monitor • Supports WUXGA 1920x1200 resolution • High Definition (HD) ready; supports 1080p video • 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 • Carrying handle • 65% recycled packaging materials • Microsoft® Windows® Vista® Premium certified
<p>VESA-compliant² VESA DDC2B/CI, VESA DPMS-compliant Power management ENERGY STAR® 4.1 Tier 2 Ergonomics ISO 13406 Part 2¹ 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</p>	 <p style="text-align: center;">ThinkVision L2440p Wide Monitor</p>
<p>Preset resolutions VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1360x768 WXGA+: 1440x900 UXGA: 1600x1200 WSXGA+: 1680x1050 WUXGA: 1920x1200 Presets / user settings Standard presets: 27; user settings: 20</p>	
<p>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 USB hub USB 2.0 Hub (1 port into PC, 4 ports for accessories) 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, 2.2 meter (2) detachable, DVI-D at each end, digital, 2.2 meter Mounting features Wall or desk mounting using the Radial Arm⁹ or third-party accessories meeting the VESA FPMPI® (100mm mount) Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)</p>	
<p>Ship group Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 2.2 meter analog signal cable, 2.2 meter digital signal cable, 2.2 meter USB cable, 1.8 meter black power cord</p>	

Limited Warranty
↪ 3 year limited warranty⁴
↪ International Warranty Service⁵
↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378)
↪ Replacement normally arrives in two business days, excluding holidays
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↪ Service upgrade options:⁷
• 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209)
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Accessories	
ThinkVision Soundbar (L1900p, 24" Wide)	45K1263
Kensington® Cable Lock from Lenovo	73P2582
Kensington Twin Head Cable Lock	45K1620
ThinkPad Convertible Monitor Stand	40Y7620
ThinkVision TFT Radial Arm ⁹	19K4464
Other accessories at lenovo.com/accessories	

See footnotes for important warranty information
 US model announced September 17, 2008

<p>Name L2440x Wide Flat Panel Monitor Case color Business black Type-model 4421-HB2 Panel TFT-LCD, twisted nematic (TN), white LED backlight Viewable image size 24.0" (610mm) diagonal Max view area (W x H) 20.4" x 12.8" / 518.4mm x 324.0mm Optimum resolution 1920x1200 at 60Hz Maximum resolution 1920x1200 at 60Hz (205MHz max pixel rate) Aspect ratio 16:10 Pixel pitch (mm) .270mm Dot/Pixel per Inch 94 dpi Brightness 300 nits or cd/m² (typical) Contrast ratio 1000:1 (typical) Pixel response time 5ms (typical) Color gamut 72% Anti-reflective Anti-reflective, anti-glare Vertical frequency 50 to 75Hz Horizontal frequency 30 to 94kHz Viewing angle at 10:1 CR 170° (+/- 85°) horizontal, 160° (+/- 80°) vertical Stand Tilt, swivel, pivot, and height adjustable stand Bezel width Sides: 0.78" (19.9mm); top: 0.78" (19.9mm); bottom: 1.12" (28.4mm) Dimensions (HxWxD) 15.54-19.87" H x 22" W x 8.04-10.13" D; 394.8-504.8mm H x 559.6mm W x 204.3-257.3mm D Power supply 29 watts typical, 45 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply) Weight 17.16 lb; 7.78kg Limited warranty⁴ 3 year (includes backlight) Available date October 2008</p>	<p>Features</p> <ul style="list-style-type: none"> • Widescreen 24-inch monitor with white LED backlight • Supports WUXGA 1920x1200 resolution • High Definition (HD) ready; supports 1080p video • 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 • Carrying handle • Mercury and arsenic free • Low halogen with trace levels of BFR, CFR, and PVC ¹² • 65% recycled packaging materials • Microsoft® Windows® Vista® Premium certified
<p>VESA-compliant² VESA DDC2B/CI, VESA DPMS-compliant Power management ENERGY STAR^{®3} 4.1 Tier 2 Ergonomics ISO 13406 Part 2¹ 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</p>	 <p style="text-align: center;">ThinkVision L2440x Wide Monitor</p>
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<p>Ship group Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 2.2 meter analog signal cable, 2.2 meter digital signal cable, 2.2 meter DisplayPort cable, 2.2 meter USB cable, 1.8 meter black power cord</p>	

<p style="text-align: center;">Limited Warranty</p> <ul style="list-style-type: none"> ↪ 3 year limited warranty⁴ ↪ International Warranty Service⁵ ↪ Rapid Replacement Service at 1-800-IBM-SERV (426-7378) ↪ Replacement normally arrives in two business days, excluding holidays ↪ Lenovo pays all shipping costs for valid warranty claims⁶ ↪ Service upgrade options:⁷ <ul style="list-style-type: none"> • 3 year, on site exchange, Mon-Fri 9-5 with next day response (ThinkPlus™ part number 41C9209) • 3 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9212) • 4 year, on site exchange, Mon-Fri 9-5 with next day response (41C9233) • 4 year, on site exchange, 7 day x 24 hr with 4 hour response (41C9234) ↪ 24x7⁸ day toll-free support for warranty issues during the warranty period⁴ 	<p style="text-align: center;">Accessories</p> <table border="0"> <tr> <td>ThinkVision Soundbar (L1900p, 24" Wide)</td> <td style="text-align: right;">45K1263</td> </tr> <tr> <td>Kensington® Cable Lock from Lenovo</td> <td style="text-align: right;">73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td style="text-align: right;">45K1620</td> </tr> <tr> <td>ThinkPad Convertible Monitor Stand</td> <td style="text-align: right;">40Y7620</td> </tr> <tr> <td>ThinkVision TFT Radial Arm⁹</td> <td style="text-align: right;">19K4464</td> </tr> </table> <p>Other accessories at lenovo.com/accessories</p>	ThinkVision Soundbar (L1900p, 24" Wide)	45K1263	Kensington® Cable Lock from Lenovo	73P2582	Kensington Twin Head Cable Lock	45K1620	ThinkPad Convertible Monitor Stand	40Y7620	ThinkVision TFT Radial Arm ⁹	19K4464
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See footnotes for important warranty information
 US model announced September 17, 2008

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 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

- ¹ **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.
- ² **VESA:** Requires attachment to suitably configured system with similarly enabled operating system.
- ³ **ENERGY STAR:** As an ENERGY STAR partner, Lenovo has determined that this product meets the ENERGY STAR 4.0 or 4.1 guidelines for energy efficiency. Requires attachment to suitably configured system.
- ⁴ **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.
- ⁵ **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, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.
- ⁶ **Lenovo pays all shipping costs** for warranty repairs during limited warranty period.
- ⁷ **ThinkPlus and Lenovo Care Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. P&L means parts and labor. P/U means pick-up. See terms and conditions for complete details and restrictions.
- ⁸ **Telephone support** may be subject to additional charges, even during the limited warranty period. In the United States call 1-800-426-7378. Response times may vary. May exclude some holidays. 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.
- ⁹ **Radial Arm Kit:** Designed for business environment; radial arm must be installed in accordance with instructions provided.
- ¹⁰ **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.
- ¹¹ **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.
- ¹² **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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