



PSREF



Product Specifications Reference

Version 497, November 2016

U.S.

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Summary of Changes

This section describes the technical changes made in this edition.

This edition might also include minor corrections and editorial changes which are not identified.

November 2, 2016 - Version 497

Additions in this update

► **New product(s)**

None

► **New model(s)**

None

► **Others**

None

Changes in this update

ThinkVision T2054p update November 2016

ThinkVision T2224p update November 2016

ThinkVision T2224z update November 2016

ThinkVision T2254p update November 2016

ThinkVision T2324p update November 2016

ThinkVision T2424p update November 2016

ThinkVision T2424z update November 2016

ThinkVision T2454p update November 2016

Withdrawals in this update

None



Lenovo ThinkVision E1922 Specifications

Product Specifications Reference (PSREF)

Name	E1922 Wide Flat Panel Monitor	Features • Widescreen 18.5-inch monitor • Supports HD 1366x768 resolution • Supports VESA mount (100mm) • Mercury free panel and arsenic free glass • Kensington lock slot ready for enhanced security • Support Lenovo Tiny PC via VESA mount • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified				
Case color	Business black					
Type-model	60B8AAR6US					
Panel	TFT-LCD, twisted nematic (TN), White LED backlight					
Viewable image size	18.5" (470mm) diagonal					
Max view area (W x H)	16.1" x 9.1" / 409.8mm x 230.4mm	 ThinkVision E1922 Wide Monitor				
Native resolution	1366x768					
Aspect ratio	16:9					
Pixel pitch (mm)	.300mm					
Dot/Pixel per Inch	85 dpi					
Brightness	250 nits or cd/m² (typical)					
Contrast ratio	1000:1 (typical)					
Pixel response time	5ms (typical)					
Color gamut	72%					
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical					
Stand	Tilt adjustable stand					
Bezel width	Sides: 0.73" (18.5mm)					
Dimensions (HxWxD)	13.44" H x 17.65" W x 6.58" D; 341.5mm H x 448.4mm W x 167.2mm D					
Power supply	13.7 watts typical, 17 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)					
Weight	6.03 lb; 2.74 kg					
Limited warranty ⁴	3 year (includes backlight)					
Available date	March 2014					
VESA-compliant ²	VESA DPMS-compliant					
Power management	ENERGY STAR® 6.0					
Ergonomics	ISO 9241-307					
Emission standards	FCC Class B					
Environmental	TCO (TCO Displays 6.0), WEEE, RoHS, EPEAT™ Gold rating					
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768					
Presets / user settings	Standard presets: 15 user settings: 16					
Viewing adjustments	Tilt: 20° backward, -5° forward					
Rotating screen	None					
On screen display	On screen display with digital user controls (8 languages)					
Control features	Direct access (control buttons on front) for automatic image setup and adjustment for brightness					
Multiple input	None					
Monitor connectors	VGA 15-pin D-shell, analog, blue					
Signal cables	detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter					
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)					
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)					
Ship group	Monitor with stand, 1.8 meter analog signal cable, 1.8 meter black power cord					
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories <table><tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr><tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr></table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620
Kensington MicroSaver Cable Lock	73P2582					
Kensington Twin Head Cable Lock	45K1620					

See footnotes for important warranty information
US model announced February 18, 2014

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Name E2054 Wide Flat Panel Monitor Case color Raven black Type-model 60DFAAR1US Panel TFT-LCD, In-Plane Switching (IPS), LED backlight Viewable image size 19.5" (494mm) diagonal Max view area (W x H) 16.48" x 10.33" / 418.6mm x 262.4mm Native resolution 1440x900 Aspect ratio 16:10 Pixel pitch (mm) 0.097mm x 0.292mm Dot/Pixel per Inch 87 dpi Brightness 250 nits or cd/m² (typical) Contrast ratio 1000:1 (typical) Pixel response time 7ms (typical) Color gamut 72% Viewing angle at 10:1 CR 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Stand Tilt adjustable stand Bezel width <i>Top:</i> 0.71" (18.0mm) <i>Bottom:</i> 0.70" (17.9mm) <i>Sides:</i> 1.02" (26.0mm) Dimensions (HxWxD) 14.65" H x 17.95" W x 7.41" D; 372.0mm H x 456.0mm W x 188.3mm D Power supply 16 watts typical, 20 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) Weight 6.17 lb; 2.8 kg Limited warranty 3 year (includes backlight) Available date November 2015	Features • Widescreen 19.5-inch monitor • Supports HD 1440x900 resolution • Supports VESA mount (100mm) • Mercury free panel and arsenic free glass • Kensington lock slot ready for enhanced security • Support Lenovo Tiny PC via VESA mount • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified • Microsoft Windows 10 certified				
VESA-compliant VESA DPMS-compliant Power management ENERGY STAR® 6.0 Ergonomics ISO 9241-307 Emission standards FCC Class B Environmental TCO (TCO Displays 6.0), WEEE, RoHS, EPEAT™ Silver rating	 ThinkVision E2054 Wide Monitor				
Preset resolutions VGA: 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x768, 1280x1024 WXGA: 1366x768 WXGA+: 1440x900 Presets / user settings Standard presets: 18 user settings: 10					
Viewing adjustments <i>Tilt:</i> 22° backward, -5° forward Rotating screen None On screen display On screen display with digital user controls (8 languages) Control features Direct access (control buttons on front) for automatic image setup and adjustment for brightness Multiple input None Monitor connectors VGA 15-pin D-shell, analog, blue Signal cables detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter Mounting features Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount) Security Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)					
Ship group Monitor with stand, 1.8 meter analog signal cable, 1.8 meter black power cord					
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281	Accessories <table> <tr> <td>Kensington MicroSaver Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> </table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620
Kensington MicroSaver Cable Lock	73P2582				
Kensington Twin Head Cable Lock	45K1620				



Lenovo ThinkVision LT1913p Square Specifications

Product Specifications Reference (PSREF)

Name	LT1913p Square Flat Panel Monitor	Features • 19-inch Square IPS LED backlit panel • Supports 1280x1024 resolution • Supports ThinkCentre Tiny Clamp Bracket • Mercury and arsenic free glass • Low Halogen • Recycled content in plastic material • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified								
Case color	Business black									
Type-model	60D2HAR1US									
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight									
Viewable image size	19" (480.0mm) diagonal									
Max view area (W x H)	14.76" x 11.80" (374.8mm x 299.8mm)									
Optimum resolution	1280x1024									
Max pixel rate	205MHz (VGA), 165MHz (DVI)									
Aspect ratio	5:4									
Pixel pitch (mm)	0.0976 (H) x 0.2928 (V) mm									
Dot/Pixel per Inch	86.8 dpi									
Brightness	250 nits or cd/m² (typical)									
Contrast ratio	1000:1 (typical)									
Pixel response time	7ms (typical)									
Color gamut	72%									
Viewing angle at 10:1 CR	178° horizontal, 178° vertical									
Stand	Tilt, swivel, pivot, and height adjustable stand									
Bezel width	Sides: 0.69" (17.4mm); top: 0.69" (17.4mm); bottom: 0.69" (17.4mm)									
Dimensions (HxWxD)	14.63" H x 16.18" W x 10.40" D; 371.5mm H x 411.0mm W x 264.2mm D									
Power supply	24 watts typical, 27 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)									
Weight	10.03 lb; 4.55kg									
Limited warranty ⁴	3 year (includes backlight)									
Available date	April 2015									
VESA-compliant ²	VESA DDC2B/CI, EDID 1.3									
Power management	ENERGY STAR® 6.0									
Ergonomics	ISO 9241-307									
Emission standards	FCC Class B									
Environmental	TCO Displays 6.0, TCO Certified Edge 1.1, WEEE, RoHS, EPEAT™ Gold rating, ULE Gold									
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 823x624 XGA: 1024x768, 1152x864, 1152x900 SXGA: 1280x1024									
Presets / user settings	Standard presets: 20; user settings: 20									
Viewing adjustments	Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/- 45°									
Rotating screen	Screen pivots 90 degrees from landscape to portrait									
On screen display	On screen display with digital user controls (8 languages)									
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness									
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)									
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant									
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter									
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)									
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)									
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord									
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281										
Accessories <table><tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr><tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr><tr><td>Lenovo Security Cable Lock</td><td>57Y4303</td></tr><tr><td>Lenovo Easy Reach Monitor Stand</td><td>55Y9258</td></tr></table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision			Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	Lenovo Security Cable Lock	57Y4303	Lenovo Easy Reach Monitor Stand	55Y9258
Kensington MicroSaver Cable Lock	73P2582									
Kensington Twin Head Cable Lock	45K1620									
Lenovo Security Cable Lock	57Y4303									
Lenovo Easy Reach Monitor Stand	55Y9258									



Name Case color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty⁴ Available date	LT2024 Wide Flat Panel Monitor Business black 60B9HAR1US TFT-LCD, twisted nematic (TN), White LED backlight 20.0" (508mm) diagonal 17.4" x 9.8" (442.8mm x 249.1mm) 1600x900 16:9 .276mm 92 dpi 250 nits or cd/m² (typical) 1000:1 (typical) 5ms (typical) 72% 170° (+/- 85°) horizontal, 160° (+/- 80°) vertical Tilt adjustable stand Sides: 0.567" (14.4mm) 13.68" H x 18.83" W x 6.33" D; 347.4mm H x 478.4mm W x 160.7mm D 19 watts typical, 22 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 6.75 lb; 3.07 kg 3 year (includes backlight) March 2014	Features • Widescreen 20-inch monitor • Supports 1600x900 resolution • Includes dual input connection for attachment to two systems concurrently (analog and digital) • Arsenic / Mercury free glass • EPEAT Gold certified • Support Lenovo Tiny PC and 3rd party thin client • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified
VESA-compliant² Power management Ergonomics Emission standards Environmental	VESA DDC2B/CI ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 6.0, TCO Certified Edge 1.2, WEEE, RoHS, EPEAT™ Gold rating	 ThinkVision LT2024 Wide Monitor
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900	
Presets / user settings	Standard presets: 24 user settings: 24	
Viewing adjustments Rotating screen On screen display Control features Multiple input Monitor connectors Signal cables Mounting features Security	Tilt: 22° backward, -5° forward None On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount) Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)	
Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter black power cord	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		
Accessories Kensington MicroSaver Cable Lock73P2582 Kensington Twin Head Cable Lock45K1620 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision		



Name Case color Type-model Panel Viewable image size Max view area (W x H) Optimum resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD, including stand) Power supply Weight Limited warranty⁴ Available date		T1714p Square Flat Panel Monitor Business black 60D7LAR1US TFT-LCD, twisted nematic (TN), LED backlight 17.0" (432mm) diagonal 13.3" x 10.6" (337.9mm x 270.3mm) 1280x1024 5:4 0.264mm 96 dpi 250 nits or cd/m² (typical) 1000:1 (typical) 5ms (typical) 72% 170° (+/- 85°) horizontal, 160° (+/- 80°) vertical Tilt height adjustable stand Sides: 0.69" (17.5mm) 17.63" H x 14.74" W x 9.61" D; 447.9mm H x 374.5mm W x 244.2mm D 14.0 watts typical, 18.0 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 8.69 lb; 3.95kg 3 year (includes backlight) September 2015	Features • 17-inch Square LCD monitor • Supports SXGA 1280x1024 resolution • Includes dual input connection for attachment to two systems concurrently (analog and digital) • Mercury Arsenic free glass • Supports Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket • Microsoft® Windows® 7 certified • Microsoft Windows 8 certified • Microsoft Windows 8.1 certified • Microsoft Windows 10 certified						
VESA-compliant² Power management Ergonomics Emission standards Environmental		VESA DDC2B/CI ENERGY STAR® 6.0 ISO 9241-307 FCC Class B TCO Displays 6.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating	 ThinkVision T1714p Monitor						
Preset resolutions Presets / user settings		VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864, SXGA: 1280x800, 1280x1024 Standard presets: 17; user settings: 17							
Viewing adjustments Rotating screen On screen display Control features Multiple input Monitor connectors Signal cables Mounting features Security Ship group		Tilt: 22° back, -5° forward; lift: 4.3" (110mm) None On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup and brightness Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount) Security keyhole for attachment of optional cable lock (Kensington® lock-compatible) Monitor and stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord							
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories <table><tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr><tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr><tr><td>Lenovo Easy Reach Monitor Stand</td><td>55Y9258</td></tr></table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision		Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	Lenovo Easy Reach Monitor Stand	55Y9258
Kensington MicroSaver Cable Lock	73P2582								
Kensington Twin Head Cable Lock	45K1620								
Lenovo Easy Reach Monitor Stand	55Y9258								



Name Bezel color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty⁴ Available date	T2014 Wide Flat Panel Monitor Raven black 60C2HAR1US TFT-LCD, twisted nematic (TN), White LED backlight 19.5" (495mm) diagonal 17.1" x 9.3" (433.9mm x 236.3mm) 1600x900 16:9 0.2712 x 0.2626 mm 94.1 dpi 250 nits or cd/m² (typical) 1000:1 (typical) 5ms (typical) 72% 170° (+/- 85°) horizontal, 160° (+/- 80°) vertical Tilt adjustable stand <i>Sides: 0.78" (19.8mm)</i> 13.86" H x 18.62" W x 7.47" D; 352.1mm H x 473.0mm W x 189.8mm D 20 watts typical, 22 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 5.56 lb; 2.53 kg 3 year (includes backlight) January 2015	Features • Widescreen 19.5-inch monitor • Supports 1600x900 resolution • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Gold certified • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified
VESA-compliant² Power management Ergonomics Emission standards Environmental	VESA DDC2B/CI ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 6.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating	 ThinkVision T2014 Wide Monitor
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900	
Presets / user settings	Standard presets: 24 user settings: 24	
Viewing adjustments Rotating screen On screen display Control features Multiple input Monitor connectors Signal cables Mounting features Security	<i>Tilt: 22° backward, -5° forward</i> None On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)	
Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI signal cable, 1.8 meter black power cord	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281 Accessories Kensington MicroSaver Cable Lock 73P2582 Kensington Twin Head Cable Lock 45K1620 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision		



Lenovo ThinkVision T2054p Wide Specifications

Product Specifications Reference (PSREF)

Name Bezel color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty⁴ Available date	T2054p Wide Flat Panel Monitor Raven black 60D9MAR2US TFT-LCD, In-Plane Switching (IPS), White LED backlight 19.5" (495mm) diagonal 16.48" x 10.33" (418.6mm x 262.4mm) 1440x900 16:10 0.2915 x 0.2915 mm 87 dpi 250 nits or cd/m² (typical) 1000:1 (typical) 7ms (typical) 72% 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Tilt, swivel, and height adjustable stand Sides: 0.67" (17.0mm) 13.62" H x 17.88" W x 9.55" D; 345.9mm H x 454.2mm W x 242.6mm D 14.5 watts typical, 21 watts maximum, <0.3 watts standby/suspend, universal, integrated (no external brick-like power supply) 8.16 lb; 3.70 kg 3 year (includes backlight) September 2015	Features • Widescreen 19.5-inch monitor • Supports 1440x900 resolution • Supports ThinkCentre Tiny Clamp Bracket • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Gold certified • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified • Microsoft Windows 10 certified
VESA-compliant² Power management Ergonomics Emission standards Environmental Preset resolutions Presets / user settings	VESA DDC2B/CI ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating VGA: 640x480, 720x400, 720x576 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x800, 1280x1024 WXGA: 1366x768 WXGA+: 1440x900 Standard presets: 22 user settings: 16	 ThinkVision T2054p Wide Monitor
Viewing adjustments Rotating screen On screen display Control features Multiple input Monitor connectors Signal cables Mounting features Security Ship group	Tilt: 22° backward, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand None On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount Security keyhole for attachment of optional cable lock (Kensington® lock-compatible) Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories Kensington MicroSaver Cable Lock 73P2582 Kensington Twin Head Cable Lock 45K1620 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision



Name	E2223s Wide Flat Panel Monitor	Features • Widescreen 21.5-inch monitor • Supports FHD 1920x1080 resolution • Supports VESA mount (100mm) • Kensington lock slot ready for enhanced security • Microsoft® Windows® 7 certified • Microsoft Windows 8 certified
Case color	Business black	
Type-model	60AFHAR1US	
Panel	TFT-LCD, twisted nematic (TN), White LED backlight	
Viewable image size	21.5" (546mm) diagonal	
Max view area (W x H)	18.7" x 10.5" / 476.1mm x 267.8mm	 ThinkVision E2223s Wide Monitor
Native resolution	1920x1080	
Aspect ratio	16:9	
Pixel pitch (mm)	.248mm	
Dot/Pixel per Inch	102 dpi	
Brightness	200 nits or cd/m² (typical)	
Contrast ratio	600:1 (typical)	
Pixel response time	5ms (typical)	
Color gamut	72%	
Viewing angle at 10:1 CR	90° (+/- 45°) horizontal, 50° (+/- 25°) vertical	
Stand	Tilt adjustable stand	
Bezel width	Sides: 0.72" (18.3mm)	
Dimensions (HxWxD)	14.94" H x 20.60" W x 6.58" D; 379.4mm H x 514.5mm W x 167.2mm D	
Power supply	19 watts typical, 22 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)	
Weight	7.52 lb; 3.4 kg	
Limited warranty ⁴	3 year (includes backlight)	
Available date	March 2014	
Power management	ENERGY STAR® 6.0	
Ergonomics	ISO 9241-307	
Emission standards	FCC Class B	
Environmental	WEEE, RoHS, EPEAT™ SILVER rating	
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080	
Presets / user settings	Standard presets: 26 user settings: 26	
Viewing adjustments	Tilt: 22° backward, -5° forward	
Rotating screen	None	
On screen display	On screen display with digital user controls (8 languages)	
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness	
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)	
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant	
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter	
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)	
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)	
Ship group	Monitor with stand, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		
Accessories Kensington MicroSaver Cable Lock73P2582 Kensington Twin Head Cable Lock45K1620 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision		



Name Case color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty⁴ Available date	E2224 Wide Flat Panel Monitor Raven black 60DAHAR1US TFT-LCD, Vertical Alignment panel (VA), White LED backlight 21.5" (546mm) diagonal 18.7" x 10.5" / 476.1mm x 267.8mm 1920x1080 16:9 0.248mm 102 dpi 250 nits or cd/m² (typical) 3000:1 (typical) 8ms (typical) 72% 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Tilt adjustable stand Sides: 0.72" (18.3mm) 14.94" H x 20.28" W x 7.38" D; 379.4mm H x 514.5mm W x 187.3mm D 22 watts typical, 25 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 22 watts typical, 25 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 7.59 lb; 3.43 kg 3 year (includes backlight) November 2015				
Power management Ergonomics Emission standards Environmental	ENERGY STAR® 6.0 ISO 9241-307 FCC Class B WEEE, RoHS, EPEAT™ Gold rating				
Preset resolutions Presets / user settings	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA+: 1440x900 WSXGA+: 1680x1050 Full HD: 1920x1080 Standard presets: 22 user settings: 22				
Viewing adjustments Rotating screen On screen display Control features Multiple input Monitor connectors Signal cables Mounting features Security Ship group	<i>Tilt:</i> 22° backward, -5° forward None On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount) Security keyhole for attachment of optional cable lock (Kensington® lock-compatible) Monitor with stand, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord				
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281	Accessories <table> <tr> <td>Kensington MicroSaver Cable Lock</td> <td>73P2582</td> </tr> <tr> <td>Kensington Twin Head Cable Lock</td> <td>45K1620</td> </tr> </table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620
Kensington MicroSaver Cable Lock	73P2582				
Kensington Twin Head Cable Lock	45K1620				



ThinkVision E2224 Wide Monitor



Lenovo ThinkVision E2323 Specifications

Product Specifications Reference (PSREF)

Name	E2323 Wide Flat Panel Monitor	Features • Widescreen 23-inch monitor • Supports FHD 1920x1080 resolution • Supports VESA mount (100mm) • Kensington lock slot ready for enhanced security • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified
Case color	Business black	
Type-model	60B0HAR1US	 ThinkVision E2323 Wide Monitor
Panel	TFT-LCD, twisted nematic (TN), White LED backlight	
Viewable image size	23" (584mm) diagonal	
Max view area (W x H)	20.0" x 11.3" / 509.2mm x 286.4mm	
Native resolution	1920x1080	
Aspect ratio	16:9	
Pixel pitch (mm)	.265mm	
Dot/Pixel per Inch	96 dpi	
Brightness	250 nits or cd/m² (typical)	
Contrast ratio	1000:1 (typical)	
Pixel response time	5ms (typical)	
Color gamut	72%	
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical	
Stand	Tilt adjustable stand	
Bezel width	<i>Sides:</i> 0.73" (18.6mm)	
Dimensions (HxWxD)	15.70" H x 21.59" W x 6.58" D; 399.0mm H x 548.5mm W x 167.2mm D	
Power supply	21 watts typical, 26 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)	
Weight	7.86 lb; 3.55 kg	
Limited warranty ⁴	3 year (includes backlight)	
Available date	January 2014	
Power management	ENERGY STAR® 6.0	
Ergonomics	ISO 9241-307	
Emission standards	FCC Class B	
Environmental	TCO (TCO Displays 6.0), WEEE, RoHS, EPEAT™ SILVER rating	
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080	
Presets / user settings	Standard presets: 26 user settings: 26	
Viewing adjustments	<i>Tilt:</i> 22° backward, -5° forward	
Rotating screen	None	
On screen display	On screen display with digital user controls (8 languages)	
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness	
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)	
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant	
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter	
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)	
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)	
Ship group	Monitor with stand, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories Kensington MicroSaver Cable Lock 73P2582 Kensington Twin Head Cable Lock 45K1620 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision

See footnotes for important warranty information
US model announced January 7, 2014

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(E2323) March 2014



Lenovo ThinkVision LT2423 Specifications

Product Specifications Reference (PSREF)

Name	LT2423 Wide Flat Panel Monitor	Features • Widescreen 24-inch monitor • Supports 1920x1080 resolution • Two 3W stereo speakers • Audio in (3.5mm) • Supports VGA and HDMI 1.4 interfaces • Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket • Microsoft® Windows® 8 certified • Arsenic/Lead/Mercury free										
Case color	Business black											
Type-model	60A8KAR2US	 ThinkVision LT2423 Wide Monitor										
Panel	TFT-LCD, twisted nematic (TN), White LED backlight											
Viewable image size	24" (610mm) diagonal											
Max view area (W x H)	20.9" x 11.8" (531.4mm x 298.9mm)											
Optimum resolution	1920x1080											
Max pixel rate	205MHz											
Aspect ratio	16:9											
Pixel pitch (mm)	0.278mm											
Dot/Pixel per Inch	92 dpi											
Brightness	250 nits or cd/m² (typical)											
Contrast ratio	1000:1 (typical)											
Contrast ratio	2000000:1											
Pixel response time	5ms											
Color gamut	72%											
Viewing angle at 10:1 CR	170° horizontal, 160° vertical											
Stand	Tilt stand											
Bezel width	Sides: 0.67" (17.0mm); top: 0.67" (17.0mm); bottom: 1.02" (26.0mm)											
Dimensions (HxWxD, excluding stand)	13.53" H x 22.33" W x 1.97" D; 343.7mm H x 567.1mm W x 50.0mm D											
Dimensions (HxWxD, including stand)	16.30" H x 22.33" W x 8.50" D; 414.3mm H x 567.1mm W x 216.7mm D											
Power supply	21 watts typical, 31 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)											
Weight	8.30 lb; 3.76kg											
Limited warranty ⁴	3 year (includes backlight)											
Available date	July 2013											
VESA-compliant ²	VESA DDC2B/CI											
Power management	ENERGY STAR® 6.0											
Ergonomics	ISO 9241-307											
Emission standards	MPR-2, FCC Class B											
Environmental	TCO Displays 6.0, TCO Certified Edge 1.2, WEEE, RoHS, EPEAT™ Gold rating, ULE Gold											
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080											
Preset / user settings	Standard presets: 24; User settings: 20											
Viewing adjustments	Tilt: 22° back, -5° forward											
Rotating screen	None											
On screen display	On screen display with digital user controls (8 languages)											
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness											
Multimedia	Integrated stereo speakers (3 watts x 2)											
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)											
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant											
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter											
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount)											
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)											
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter Audio cable, 1.8 meter black power cord											
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories <table><tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr><tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr><tr><td>Lenovo Security Cable Lock</td><td>57Y4303</td></tr><tr><td>ThinkCentre Extend Arm</td><td>57Y4352</td></tr><tr><td>Lenovo Easy Reach Monitor Stand</td><td>55Y9258</td></tr></table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	Lenovo Security Cable Lock	57Y4303	ThinkCentre Extend Arm	57Y4352	Lenovo Easy Reach Monitor Stand	55Y9258
Kensington MicroSaver Cable Lock	73P2582											
Kensington Twin Head Cable Lock	45K1620											
Lenovo Security Cable Lock	57Y4303											
ThinkCentre Extend Arm	57Y4352											
Lenovo Easy Reach Monitor Stand	55Y9258											

See footnotes for important warranty information
US model announced June 25, 2013

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(LT2423) June 2013



Lenovo ThinkVision T2220 Specifications

Product Specifications Reference (PSREF)

Name	T2220 Wide Flat Panel Monitor	Features • Widescreen 21.5-inch monitor • Supports 1920x1080 resolution • Supports optional speaker • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Gold certified • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified
Bezel color	Raven black	
Type-model	60B7HAR1US	
Panel	TFT-LCD, twisted nematic (TN), White LED backlight	
Viewable image size	21.5" (546mm) diagonal	
Max view area (W x H)	18.74" x 10.54" (476.1mm x 267.8mm)	
Native resolution	1920x1080	
Aspect ratio	16:9	
Pixel pitch (mm)	0.248 x 0.248 mm	
Dot/Pixel per Inch	103 dpi	
Brightness	250 nits or cd/m² (typical)	
Contrast ratio	1000:1 (typical)	
Pixel response time	5ms (typical)	
Color gamut	72%	
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical	
Stand	Tilt, and height adjustable stand	
Bezel width	<i>Sides:</i> 0.68" (17.3mm)	
Dimensions (HxWxD)	14.03" H x 20.18" W x 6.98" D; 356.3mm H x 512.6mm W x 177.2mm D	
Power supply	21.5 watts typical, 27 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)	
Weight	9.92 lb; 4.50 kg	
Limited warranty	3 year (includes backlight)	
Available date	March 2014	
Power management	ENERGY STAR® qualified	
Ergonomics	ISO 9241-307	
Emission standards	FCC Class B	
Environmental	TCO Displays 6.0, TCO Certified Edge 1.2, WEEE, RoHS, EPEAT™ Gold rating	
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080	
Presets / user settings	Standard presets: 26; user settings: 26	
Viewing adjustments	<i>Tilt:</i> 22° back, -5° forward; <i>lift:</i> 4.3" (110mm)	
Rotating screen	No	
On screen display	On screen display with digital user controls (8 languages)	
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness	
USB hub	None	
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)	
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, HDCP-compliant	
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter	
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount	
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)	
Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter black power cord	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories Kensington MicroSaver Cable Lock 73P2582 Kensington Twin Head Cable Lock 45K1620 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision

See footnotes for important warranty information

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(T2220) May 2015



Lenovo ThinkVision T2224p Wide Specifications

Product Specifications Reference (PSREF)

Name Bezel color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty Available date VESA-compliant Power management Ergonomics Emission standards Environmental Preset resolutions Presets / user settings		T2224p Wide Flat Panel Monitor Raven black 60CAMAR6US TFT-LCD, In-Plane Switching (IPS), White LED backlight 21.5" (546mm) diagonal 18.74" x 10.54" (476.1mm x 267.8mm) 1920x1080 16:9 0.248 x 0.248 mm 102 dpi 250 nits or cd/m² (typical) 1000:1 (typical) 7ms (typical) 72% 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Tilt, swivel, pivot, and height adjustable stand Sides: 0.69" (17.6mm) 13.56" H x 20.19" W x 9.55" D; 344.3mm H x 512.9mm W x 242.7mm D 21 watts typical, 25 watts maximum (without USB 3.0 hub), 48 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 10.65 lb; 4.84 kg 3 year (includes backlight) March 2015 VESA DDC2B/CI ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating	Features • Widescreen 21.5-inch monitor • Supports 1920x1080 resolution • Supports ThinkCentre Tiny Clamp Bracket • Supports optional soundbar • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Gold certified • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified • Microsoft Windows 10 certified			
Viewing adjustments Rotating screen On screen display Control features USB hub Multiple input Monitor connectors Signal cables Mounting features Security Ship group		Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand Screen pivots 90 degrees from landscape to portrait On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0) Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount Security keyhole for attachment of optional cable lock (Kensington® lock-compatible) Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord	 ThinkVision T2224p Wide Monitor			
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories<table><tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr><tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr></table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620
Kensington MicroSaver Cable Lock	73P2582					
Kensington Twin Head Cable Lock	45K1620					



Name Bezel color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty Available date	T2224z Wide Flat Panel Monitor Raven black 60CBMAR6US TFT-LCD, In-Plane Switching (IPS), White LED backlight 21.5" (546mm) diagonal 18.74" x 10.54" (476.1mm x 267.8mm) 1920x1080 16:9 0.248 x 0.248 mm 102 dpi 250 nits or cd/m ² (typical) 1000:1 (typical) 7ms (typical) 72% 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Tilt, swivel, pivot, and height adjustable stand <i>Sides:</i> 0.69" (17.6mm) 14.08" H x 20.19" W x 9.55" D; 357.8mm H x 512.9mm W x 242.7mm D 21 watts typical, 25 watts maximum (without USB 3.0 hub), 45 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 10.63 lb; 4.83 kg 3 year (includes backlight) March 2015	Features • Widescreen 21.5-inch monitor • Supports 1920x1080 resolution • Supports ThinkCentre Tiny Clamp Bracket • Supports optional soundbar • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Gold certified • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified • Microsoft Windows 10 certified				
VESA-compliant Power management Ergonomics Emission standards Environmental	VESA DDC2B/CI ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating	 ThinkVision T2224z Wide Monitor				
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 WSXGA+: 1680x1050 Full HD: 1920x1080					
Presets / user settings	Standard presets: 27; user settings: 20					
Viewing adjustments Rotating screen On screen display Control features USB hub Multimedia Camera Multiple input Monitor connectors	<i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.3" (110mm); <i>swivel:</i> +/-45°; detachable stand Screen pivots 90 degrees from landscape to portrait On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness USB 3.0 Hub: 1 port into PC (USB 3.0); 2 ports for accessories (2 USB 3.0) Integrated digital speakers (3 watts x 2) Integrated camera (Full HD) and digital dual array microphone Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant					
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter					
Mounting features Security	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)					
Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord					
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281						
Accessories <table><tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr><tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr></table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision			Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620
Kensington MicroSaver Cable Lock	73P2582					
Kensington Twin Head Cable Lock	45K1620					



Lenovo ThinkVision T2254p Wide Specifications

Product Specifications Reference (PSREF)

Name Bezel color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty Available date		T2254p Wide Flat Panel Monitor Raven black 60CCMAR2US TFT-LCD, twisted nematic (TN), White LED backlight 22.0" (559mm) diagonal 18.70" x 11.70" (473.8mm x 296.1mm) 1680x1050 16:10 0.282 x 0.282 mm 90 dpi 250 nits or cd/m² (typical) 1000:1 (typical) 5ms (typical) 72% 170° (+/- 85°) horizontal, 160° (+/- 80°) vertical Tilt, swivel, pivot, and height adjustable stand Sides: 0.67" (17.1mm) 14.63" H x 20.01" W x 9.55" D; 371.7mm H x 509.3mm W x 242.7mm D 20 watts typical, 25 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 10.14 lb; 4.60 kg 3 year (includes backlight) March 2015	Features • Widescreen 22.0-inch monitor • Supports 1680x1050 resolution • Supports ThinkCentre Tiny Clamp Bracket • Supports optional soundbar • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Gold certified • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified • Microsoft Windows 10 certified				
VESA-compliant Power management Ergonomics Emission standards Environmental Preset resolutions Presets / user settings		VESA DDC2B/CI ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 WSXGA+: 1600x900, 1680x1050 Standard presets: 28; user settings: 20	 ThinkVision T2254p Wide Monitor				
Viewing adjustments Rotating screen On screen display Control features USB hub Multiple input Monitor connectors Signal cables Mounting features Security Ship group		Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand Screen pivots 90 degrees from landscape to portrait On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness None Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount Security keyhole for attachment of optional cable lock (Kensington® lock-compatible) Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord					
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories <table><tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr><tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr></table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision		Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620
Kensington MicroSaver Cable Lock	73P2582						
Kensington Twin Head Cable Lock	45K1620						



Name Bezel color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty Available date		T2324d Wide Flat Panel Monitor Black 60F3JAR2US TFT-LCD, twisted nematic (TN), White LED backlight 23.0" (584mm) diagonal 20.07" x 11.29" (509.8mm x 286.7mm) 1920x1080 16:9 0.2655 x 0.2655 mm 96 dpi 250 nits or cd/m² (typical) 1000:1 (typical) 5ms (typical) 72% 170° (+/- 85°) horizontal, 160° (+/- 80°) vertical Tilt stand Sides: 0.68" (17.3mm) 15.75" H x 21.48" W x 8.06" D; 400.3mm H x 545.8mm W x 204.9mm D 20 watts typical, 27 watts maximum <0.3 watts standby/suspend, universal, integrated (no external brick-like power supply) 7.06 lb; 3.20 kg 3 year (includes backlight) June 2016	Features • Widescreen 23.0-inch monitor • Supports 1920x1080 resolution • Supports optional soundbar • Supports ThinkCentre Tiny via VESA back mount • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Gold certified • Microsoft® Windows® 7 certified • Microsoft Windows 10 certified
VESA-compliant Power management Ergonomics Emission standards Environmental		VESA DDC2B/CI ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating	 ThinkVision T2324d Wide Monitor
Preset resolutions		VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 WSXGA+: 1680x1050 Full HD: 1920x1080	
Presets / user settings		Standard presets: 26; user settings: 16	
Viewing adjustments Rotating screen On screen display Control features USB hub Multiple input Monitor connectors Signal cables Mounting features Security		Tilt: 22° back, -5° None On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness None Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, HDCP-compliant (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)	
Ship group		Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter black power cord	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281			Accessories Kensington MicroSaver Cable Lock73P2582 Kensington Twin Head Cable Lock45K1620 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision



Name Bezel color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty Available date		T2324p Wide Flat Panel Monitor Raven black 60C7MAR1US TFT-LCD, In-Plane Switching (IPS), White LED backlight 23.0" (584mm) diagonal 20.05" x 11.28" (509.2mm x 286.4mm) 1920x1080 16:9 0.2652 x 0.2652 mm 96 dpi 250 nits or cd/m² (typical) 1000:1 (typical) 7ms (typical) 72% 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Tilt, swivel, pivot, and height adjustable stand Sides: 0.68" (17.3mm) 14.27" H x 21.48" W x 10.39" D; 362.5mm H x 545.8mm W x 264.2mm D 21 watts typical, 25 watts maximum (without USB 3.0 hub), 49 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 11.90 lb; 5.40 kg 3 year (includes backlight) March 2015		Features • Widescreen 23.0-inch monitor • Supports 1920x1080 resolution • Supports ThinkCentre Tiny Clamp Bracket • Supports optional soundbar • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Gold certified • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified • Microsoft Windows 10 certified	
VESA-compliant Power management Ergonomics Emission standards Environmental		VESA DDC2B/CI ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 6.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating			
Preset resolutions		VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 WSXGA+: 1680x1050 Full HD: 1920x1080			
Presets / user settings		Standard presets: 24; user settings: 20			
Viewing adjustments Rotating screen On screen display Control features USB hub Multiple input Monitor connectors		Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; detachable stand Screen pivots 90 degrees from landscape to portrait On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0) Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant			
Signal cables		(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter			
Mounting features Security		Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)			
Ship group		Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord			
Limited Warranty		Accessories			
See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Kensington MicroSaver Cable Lock		73P2582	
		Kensington Twin Head Cable Lock		45K1620	
		See details at www.lenovo.com/support/monitoraccessories			
		See all monitors at www.lenovo.com/thinkvision			



Lenovo ThinkVision T2364t Wide Touch Specifications

Product Specifications Reference (PSREF)

Name Bezel color Type-model Panel Viewable image size Max view area (W x H) Native resolution Touch Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty Available date	T2364t Wide Flat Panel Monitor Black 60E9MAR1US TFT-LCD, In-Plane Switching (IPS), White LED backlight 23.0" (584mm) diagonal 20.05" x 11.28" (509.2mm x 286.4mm) 1920x1080 Supports 10-point touch 16:9 0.2652 x 0.2652 mm 95 dpi 250 nits or cd/m² (typical) 1000:1 (typical) 7ms (typical) 72% 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Tilt adjustable stand Sides: 0.079" (2.0mm) 12.53" H x 20.56" W x 2.86" D; 318.2mm H x 522.2mm W x 72.7mm D 22 watts typical, 45 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 9.24 lb; 4.32 kg 3 year (includes backlight) June 2015	Features • Widescreen 23.0-inch monitor • Supports 1920x1080 resolution • Includes dual input connection for attachment to two systems concurrently • EPEAT Gold certified • 10-point touch screen • Microsoft® Windows® 7 certified • Microsoft Windows 10 certified
VESA-compliant Power management Ergonomics Emission standards Environmental Preset resolutions Presets / user settings	VESA DDC2B/CI ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating VGA: 640x350, 640x480, 720x400, 700x570 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080 User settings: 20	  ThinkVision T2364t
Viewing adjustments Rotating screen On screen display Control features USB hub Multiple input Monitor connectors Signal cables Mounting features Security Ship group	Tilt: 10° - 70° degrees; detachable stand None On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness USB 3.0 Hub: 1 port into PC (USB 3.0); 3 ports for accessories (3 USB 3.0) Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, HDMI at each end, digital, 1.8 meter (3) detachable, DisplayPort at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount Security keyhole for attachment of optional cable lock (Kensington® lock-compatible) Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter HDMI cable, 1.8 meter DisplayPort cable, 1.8 meter USB signal cable, 1.8 meter black power cord	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		
Accessories Kensington MicroSaver Cable Lock 73P2582 Kensington Twin Head Cable Lock 45K1620 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision		



Lenovo ThinkVision T2424p Wide Specifications

Product Specifications Reference (PSREF)

Name Bezel color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty Available date	T2424p Wide Flat Panel Monitor Raven black 60C8MAR1US TFT-LCD, In-Plane Switching (IPS), White LED backlight 23.8" (604.7mm) diagonal 20.75" x 11.67" (527.0mm x 296.5mm) 1920x1080 16:9 0.2745 x 0.2745 mm 93 dpi 250 nits or cd/m ² (typical) 1000:1 (typical) 7ms (typical) 72% 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Tilt, swivel, pivot, and height adjustable stand <i>Sides:</i> 0.69" (17.5mm) 14.67" H x 22.19" W x 10.39" D; 372.5mm H x 563.6mm W x 264.2mm D 22 watts typical, 26 watts maximum (without USB 3.0 hub), 54 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 12.90 lb; 5.85 kg 3 year (includes backlight) March 2015	Features • Widescreen 23.8-inch monitor • Supports 1920x1080 resolution • Supports ThinkCentre Tiny Clamp Bracket • Supports optional soundbar • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Gold certified • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified • Microsoft Windows 10 certified
VESA-compliant Power management Ergonomics Emission standards Environmental	VESA DDC2B/CI ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating	 ThinkVision T2424p Wide Monitor
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080	
Presets / user settings	Standard presets: 22; user settings: 22	
Viewing adjustments Rotating screen On screen display Control features USB hub Multiple input Monitor connectors	<i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.3" (110mm); <i>swivel:</i> +/-45°; detachable stand Screen pivots 90 degrees from landscape to portrait On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0) Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant	
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter	
Mounting features Security	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)	
Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		
Accessories Kensington MicroSaver Cable Lock 73P2582 Kensington Twin Head Cable Lock 45K1620 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision		



Name	T2424z Wide Flat Panel Monitor	Features • Widescreen 23.8-inch monitor • Supports 1920x1080 resolution • Supports ThinkCentre Tiny Clamp Bracket • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Gold certified • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified • Microsoft Windows 10 certified				
Bezel color	Raven black					
Type-model	60D3MAR1US	 ThinkVision T2424z Wide Monitor				
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight					
Viewable image size	23.8" (604.7mm) diagonal					
Max view area (W x H)	20.75" x 11.67" (527.0mm x 296.5mm)					
Native resolution	1920x1080					
Aspect ratio	16:9					
Pixel pitch (mm)	0.2745 x 0.2745 mm					
Dot/Pixel per Inch	92 dpi					
Brightness	250 nits or cd/m² (typical)					
Contrast ratio	1000:1 (typical)					
Pixel response time	7ms (typical)					
Color gamut	72%					
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical					
Stand	Tilt, swivel, pivot, and height adjustable stand					
Bezel width	<i>Sides:</i> 0.69" (17.5mm)					
Dimensions (HxWxD)	19.53" H x 22.19" W x 10.39" D; 496.0mm H x 563.6mm W x 264.2mm D					
Power supply	22 watts typical, 40 watts maximum (without USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)					
Weight	12.90 lb; 5.85 kg					
Limited warranty	3 year (includes backlight)					
Available date	June 2016					
VESA-compliant	VESA DDC2B/CI					
Power management	ENERGY STAR® qualified					
Ergonomics	ISO 9241-307					
Emission standards	FCC Class B					
Environmental	TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating					
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080					
Presets / user settings	Standard presets: 31; user settings: 20					
Viewing adjustments	<i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.3" (110mm); <i>swivel:</i> +/-45°; detachable stand					
Rotating screen	Screen pivots 90 degrees from landscape to portrait					
On screen display	On screen display with digital user controls (8 languages)					
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness					
USB hub	USB 3.0 Hub: 1 port into PC (USB 3.0); 2 ports for accessories (2 USB 3.0)					
Multimedia	Integrated digital speakers (3 watts x 2)					
Camera	Integrated camera (Full HD) and digital dual array microphone					
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)					
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant					
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter					
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount					
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)					
Ship group	Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DP signal cable, 1.8 meter USB signal cable, 1.8 meter black power cord					
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories <table><tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr><tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr></table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620
Kensington MicroSaver Cable Lock	73P2582					
Kensington Twin Head Cable Lock	45K1620					



Name Bezel color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty Available date VESA-compliant Power management Ergonomics Emission standards Environmental Preset resolutions Presets / user settings	T2454p Wide Flat Panel Monitor Raven black 60C9MAR1US TFT-LCD, In-Plane Switching (IPS), White LED backlight 24.0" (609.6mm) diagonal 20.41" x 12.76" (518.4mm x 324.0mm) 1920x1200 16:10 0.270 x 0.270 mm 94 dpi 300 nits or cd/m ² (typical) 1000:1 (typical) 7ms (typical) 77.4% 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Tilt, swivel, pivot, and height adjustable stand <i>Sides:</i> 0.74" (18.8mm) 15.85" H x 21.94" W x 10.39" D; 402.5mm H x 557.4mm W x 264.2mm D 24 watts typical, 27 watts maximum (without USB 3.0 hub), 54 watts maximum (with USB 3.0 hub), <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply) 13.60 lb; 6.15 kg 3 year (includes backlight) March 2015 VESA DDC2B/CI ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 7.0, TCO Certified Edge 2.0, WEEE, RoHS, EPEAT™ Gold rating VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024 WXGA: 1280x720, 1280x768, 1280x800 WXGA+: 1440x900 WSXGA+: 1680x1050, 1600x1200 Full HD: 1920x1080, 1920x1200 Standard presets: 21; user settings: 20	Features • Widescreen 24.0-inch monitor • Supports 1920x1200 resolution • Supports ThinkCentre Tiny Clamp Bracket • Supports optional soundbar • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Gold certified • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified • Microsoft Windows 10 certified				
Viewing adjustments Rotating screen On screen display Control features USB hub Multiple input Monitor connectors Signal cables Mounting features Security Ship group	<i>Tilt:</i> 30° back, -5° forward; <i>lift:</i> 4.3" (110mm); <i>swivel:</i> +/-45°; detachable stand Screen pivots 90 degrees from landscape to portrait On screen display with digital user controls (8 languages) Direct access (buttons on front) for automatic image setup, dual input and brightness USB 3.0 Hub: 1 port into PC (USB 3.0); 4 ports for accessories (4 USB 3.0) Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort, digital, black, HDCP-compliant (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories, 100mm x 100mm mount Security keyhole for attachment of optional cable lock (Kensington® lock-compatible) Monitor with stand, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DisplayPort cable, 1.8 meter USB signal cable, 1.8 meter black power cord	 ThinkVision T2454p Wide Monitor				
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories <table><tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr><tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr></table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620
Kensington MicroSaver Cable Lock	73P2582					
Kensington Twin Head Cable Lock	45K1620					



Name Bezel color Type-model Panel Viewable image size Max view area (W x H) Native resolution Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD) Power supply Weight Limited warranty Available date	X24 Wide Flat Panel Monitor Raven black 60CFGAR1US TFT-LCD, AH-IPS (In-Plane Switching), White LED backlight 23.8" (604.5mm) diagonal 20.75" x 11.67" (527.0mm x 296.5mm) 1920x1080 16:9 0.2745 x 0.2745 mm 94 dpi 250 nits or cd/m² (typical) 1000:1 (typical) 7ms (typical) 72% 178° (+/- 89°) horizontal, 178° (+/- 89°) vertical Tilt stand Sides: 0.08" (2.0mm) 16.25" H x 21.30" W x 8.66" D; 412.8mm H x 540.9mm W x 220.0mm D 24 watts typical, 27 watts maximum, <0.5 watts standby/suspend, universal, external power supply 8.60 lb; 3.90 kg 3 year (includes backlight) April 2015	Features • Widescreen 23.8-inch monitor • Supports 1920x1080 resolution • Includes dual input connection for attachment to two systems concurrently (analog and digital) • EPEAT Silver certified • Microsoft® Windows® 7 certified • Microsoft Windows 8 / Windows 8.1 certified
Power management Ergonomics Emission standards Environmental Preset resolutions Presets / user settings	ENERGY STAR® qualified ISO 9241-307 FCC Class B TCO Displays 6.0, WEEE, RoHS, EPEAT™ Silver rating VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080 Standard presets: 20; user settings: 20	 ThinkVision X24 Wide Monitor
Viewing adjustments Rotating screen On screen display Control features USB hub Multiple input Monitor connectors Signal cables Mounting features Security Ship group	Tilt: 22° back, -5° forward None On screen display with digital user controls Direct access (buttons on side bezel) for dual input and brightness None Dual input (two different PCs attach to two different connectors; one PC shows image; select via button) (1) HDMI (1.4), digital, HDCP-compliant (2) DisplayPort, digital, black, HDCP-compliant (1) detachable, HDMI at each end, digital, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter None None Monitor with stand, Safety and Warranty Information, 1.8 meter HDMI signal cable (consumer channel only), 1.8 meter DisplayPort signal cable (commercial channel only), 1.8 meter black power cord	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281	Accessories Kensington MicroSaver Cable Lock 73P2582 Kensington Twin Head Cable Lock 45K1620 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	

See footnotes for important warranty information



Lenovo ThinkVision 28 Specifications

Product Specifications Reference (PSREF)

Name Case color Type-model Panel Viewable image size Max view area (W x H) Optimum resolution Max pixel rate Touch Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD, excluding stand) Dimensions (HxWxD, including stand) Power supply Weight Limited warranty ⁴ Announce date	ThinkVision 28 Wide Flat Panel Monitor Black with Silver bezel 60B6GAR1US TFT-LCD, twisted nematic (TN), White LED backlight 28" (711mm) diagonal 24.44" x 13.44" (620.9mm x 341.3mm) 3840x2160 297MHz (HDMI); 594MHz(DP) Supports 10-point touch 16:9 0.16 x 0.16mm 157 dpi 300 nits or cd/m ² (typical) 1000:1 (typical) 5ms 72% 170° horizontal, 160° vertical Multi-mode stand (standard, inclined, and flat) <i>Top:</i> 1.20" (30.5mm) <i>Bottom:</i> 1.98" (50.3mm) <i>Sides:</i> 1.16" (29.5mm) 16.7" H x 26.85" W x 1.48" D; 424.1mm H x 681.9mm W x 37.6mm D 19.8" H x 26.85" W x 10.22" D; 502.8mm H x 681.9mm W x 259.5mm D 55 watts typical, 90 watts maximum, <10 watts sleep/off; <0.5 watts switch off 90W external brick-like power supply 24.2 lb; 11.0kg (including stand) 1 year (includes backlight) September 2014	Features • 28-inch 4K*2K Tegra K1 entertainment center • Supports 3840x2160 resolution • 6-Ports USB hub, support USB 3.0 and USB 2.0 • 5watts x 2 stereo speakers • Arsenic/Mercury free • 10-point touch screen • Windows 7 support • Preload android 4.4, 2GB DDR3L memery, 32GB storage • Support Gigabit Ethernet, 802.11abgn, Bluetooth 4.0						
Smart Mode Platform Preload Display RAM Storage Card slot Wireless Ethernet	nVidia Tegra K1 System-on chip Android 4.4 Operating system 2GB DDR3L memery 32GB eMMC storage One MicroSD Card slot 802.11abgn, Bluetooth 4.0 Gigabit Ethernet	 ThinkVision 28 Monitor						
Power management Environmental	ENERGY STAR® 6.0 TCO Displays 6.0, RoHS, EPEAT™ Gold rating							
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XVGA: 1024x768, 1152x864 SXVGA: 1280x1024, 1280x720, 1280x800, 1280x768 XGA+: 1440x900 UXGA: 1600x900, 1680x1050 WQXGA: 1920x1080, 1920x1200, 2560x1600, QFHD: 3840x2160 Standard presets: 19; user settings: 20							
Presets / user settings								
Viewing adjustments Rotating screen On screen display Control features USB hub Multimedia Audio Jack Camera Multiple input Monitor connectors	<i>Tilt:</i> 90° back, -5° forward; <i>lift:</i> 3.07" (78mm); None On screen display with digital user controls (8 languages) Direct access (touch buttons on front) for automatic image setup, input switch, and brightness USB Hub: 2 USB 3.0 (one is always on), 2 USB 2.0, 1 micro USB 3.0 upstream, 1 micro USB 2.0 upstream Integrated stereo speakers (5 watts x 2), Noise Cancelling array microphone x 2 Audio Out Jack x 1 for speakers, Audio In/Out Jack x 1 for headsets FHD camera with 2.1 MP resolution Support HDMI, DisplayPort (1) HDMI (1.4) x 3, digital, HDCP-compliant (2) DisplayPort (1.2) x 1, digital, HDCP-compliant (1) detachable, HDMI at each end, digital, 1.8 meter Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)							
Signal cables Security								
Ship group	Monitor, detachable stand, Quick start and safety poster, 1.8 meter HDMI cable, 1.8 meter USB 3.0 cable, 1.8 meter external power adapter							
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281								
Accessories <table><tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr><tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr><tr><td>Lenovo Security Cable Lock</td><td>57Y4303</td></tr></table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision			Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	Lenovo Security Cable Lock	57Y4303
Kensington MicroSaver Cable Lock	73P2582							
Kensington Twin Head Cable Lock	45K1620							
Lenovo Security Cable Lock	57Y4303							

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Lenovo ThinkVision P27 Specifications

Product Specifications Reference (PSREF)

Name Case color Type-model Panel Viewable image size Max view area (W x H) Optimum resolution Max pixel rate Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD, including stand) Power supply Weight Limited warranty⁴ Available date		P27 Wide Flat Panel Monitor Black 60E3GAR1US TFT-LCD, IPS (In-Plane Switching), White LED backlight 27" (684.7mm) diagonal 23.49" x 13.21" (596.7mm x 335.7mm) 3840x2160 600MHz 16:9 0.16 x 0.16mm 163 dpi 300 nits or cd/m² (typical) 1300:1 (typical) 6ms 99% 178° horizontal, 178° vertical Tilt, swivel, pivot, and height adjustable stand Sides: 0.088" (2.23mm) 18.59" H x 24.19" W x 11.81" D; 472.3mm H x 614.5mm W x 299.9mm D 40 watts typical, 70 watts maximum (with USB), <0.5 watts sleep/off; <0.5 watts switch off 15.12 lb; 6.86kg (including stand) 3 year March 2016	Features • 27-inch IPS LED backlit monitor with speaker • Supports 3840x2160 resolution • 5-Ports USB hub, support USB 3.0 • 3watts x 2 stereo speakers • Microsoft® Windows® 7 certified • Microsoft Windows 10 certified
VESA-compliant² Power management Ergonomics Emission standards Environmental		VESA DDC2B/CI ENERGY STAR® 7.0 ISO 9241-307 FCC Class B TCO Displays 7.0, RoHS, EPEAT™ Gold rating, ULE Gold	 ThinkVision P27 Monitor
Preset resolutions		VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x720, 1280x768, 1280x800, 1360x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080, 1920x1200 UHD: 3840x2160	
Preset / user settings		Standard presets: 20; user settings: 20	
Viewing adjustments Rotating screen On screen display Control features USB hub Multimedia Camera Multiple input Monitor connectors Signal cables Mounting features Security		Tilt: 30° back, -5° forward; lift: 3.15" (80mm); swivel: +/-45° Screen pivots 90 degrees from landscape to portrait On screen display with digital user controls (8 languages) Direct access (touch buttons on front) for menu, mute, volume up/down, and brightness USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports Integrated stereo speakers (3 watts x 2) None Support HDMI, DisplayPort (1) HDMI (2.0), digital, HDCP-compliant (2) DisplayPort (1.2), digital, HDCP-compliant (1) detachable, DisplayPort at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount) Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)	
Ship group		Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord, mini DP to DP adapter, power adapter (90W)	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories Kensington MicroSaver Cable Lock 73P2582 Kensington Twin Head Cable Lock 45K1620 Lenovo Security Cable Lock 57Y4303 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	

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Lenovo ThinkVision Pro2820 Specifications

Product Specifications Reference (PSREF)

Name Case color Type-model Panel Viewable image size Max view area (W x H) Optimum resolution Max pixel rate Frequency Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD, excluding stand) Dimensions (HxWxD, including stand) Power supply Weight Limited warranty⁴ Available date		Pro2820 Wide Flat Panel Monitor Black 60B5RAR6US TFT-LCD, with wide viewing angle (WVA) technology, White LED backlight 28" (711mm) diagonal 24.44" x 13.44" (620.9mm x 341.3mm) 1920x1080 205MHz (VGA); 165MHz(DP/ HDMI); 149MHz (MHL) Supports 1920 x 10800 @ 60Hz 16:9 0.32 x 0.32mm 79 dpi 300 nits or cd/m² (typical) 3000:1 (typical) 6.5ms 72% 178° horizontal, 178° vertical Tilt, swivel, and height adjustable stand Sides: 0.86" (21.85mm) 17.45" H x 26.21" W x 2.30" D; 443.3mm H x 665.9mm W x 58.2mm D 17.45" H x 26.21" W x 11.41" D; 443.3mm H x 665.9mm W x 289.9mm D 60 watts typical, 90 watts typical (with USB), 65 watts maximum, 95 watts maximum (with USB), <1.2 watts sleep/off; <0.5 watts switch off integrated (no external brick-like power supply) 17.84 lb; 8.11kg (including stand) 3 year (includes backlight) September 2014	Features • 28-inch MVA (Multi-domain Vertical Alignment) panel LED backlit monitor • Supports 1920x1080 resolution • 5-Ports USB hub, support USB 3.0 • Arsenic/Mercury free • Microsoft® Windows® 7 • Windows 8/ Windows 8.1 certified
VESA-compliant² Power management Ergonomics Emission standards Environmental Preset resolutions Presets / user settings	VESA DDC2B/CI ENERGY STAR® 6.0 ISO 9241-307 FCC Class B TCO Displays 6.0, TCO Certified Edge 1.2, RoHS, EPEAT™ Gold rating, ULE Gold VGA: 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1024x760 SXGA: 1280x1024 WXGA: 1280x720, 1280x800, 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080 Others: 1152x864 Standard presets: 17; user settings: 17	 ThinkVision Pro2820 Monitor	
Viewing adjustments Rotating screen On screen display Control features USB hub Multimedia Camera Multiple input Monitor connectors Signal cables Mounting features Security	Tilt: 25° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45° Screen pivots 90 degrees from landscape to portrait On screen display with digital user controls (8 languages) Direct access (touch buttons on front) for automatic image setup, input switch, and brightness USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports None None Support VGA, HDMI, DisplayPort, MHL connections (Mobile High-definition Link) (1) VGA 15-pin D-shell, analog (2) HDMI (1.4), digital, HDCP-compliant (3) DisplayPort (1.2), digital, HDCP-compliant (1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount) Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)		
Ship group	Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter VGA cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord		
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Security Cable Lock 73P2582 45K1620 57Y4303 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	

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Lenovo ThinkVision Pro2840m Specifications

Product Specifications Reference (PSREF)

Name Case color Type-model Panel Viewable image size Max view area (W x H) Optimum resolution Max pixel rate Frequency Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD, excluding stand) Dimensions (HxWxD, including stand) Power supply Weight Limited warranty⁴ Available date		Pro2840m Wide Flat Panel Monitor Black 60B4RAR6US TFT-LCD, twisted nematic (TN), White LED backlight 28" (711mm) diagonal 24.44" x 13.44" (620.9mm x 341.3mm) 3840x2160 300MHz (HDMI); 594MHz(DP); 149MHz (MHL) Supports 3840 x 2160 @ 60Hz 16:9 0.16 x 0.16mm 157 dpi 270 nits or cd/m² (typical) 1000:1 (typical) 5ms 72% 170° horizontal, 160° vertical Tilt, swivel, and height adjustable stand Sides: 0.86" (21.85mm) 17.45" H x 26.21" W x 2.30" D; 443.3mm H x 665.9mm W x 58.2mm D 17.45" H x 26.21" W x 11.40" D; 443.3mm H x 665.9mm W x 289.9mm D 60 watts typical, 90 watts typical (with USB), 65 watts maximum, 95 watts maximum (with USB), <1.2 watts sleep/off; <0.5 watts switch off integrated (no external brick-like power supply) 22.47 lb; 10.19kg (including stand) 3 year (includes backlight) May 2014	Features • 28-inch 4K*2K LED backlit monitor with speaker • Supports 3840x2160 resolution • 5-Ports USB hub, support USB 3.0 and USB 2.0 • 3watts x 2 stereo speakers • Arsenic/Mercury free • Microsoft® Windows® 7 • Windows 8/ Windows 8.1 certified
VESA-compliant² Power management Ergonomics Emission standards Environmental		VESA DDC2B/CI ENERGY STAR® 6.0 ISO 9241-307 FCC Class B TCO Displays 6.0, TCO Certified Edge 1.2, RoHS, EPEAT™ Gold rating, ULE Gold	 ThinkVision Pro2840m Monitor
Preset resolutions		VGA: 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024 WXGA: 1280x720, 1280x800, 1360x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080, 1920x1200 WQXGA: 2560x1600, 2560x1440, other: 3840x2160, 2160x1920 Standard presets: 20; user settings: 20	
Presets / user settings			
Viewing adjustments Rotating screen On screen display Control features USB hub Multimedia Camera Multiple input Monitor connectors		Tilt: 25° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45° Screen pivots 90 degrees from landscape to portrait On screen display with digital user controls (8 languages) Direct access (touch buttons on front) for automatic image setup, input switch, and brightness USB Hub: 3 USB 3.0, 2 USB 2.0 Integrated stereo speakers (3 watts x 2) None Support HDMI, DisplayPort, mini DisplayPort, MHL connections (Mobile High-definition Link) (1) HDMI (1.4), digital, HDCP-compliant (2) DisplayPort (1.2), digital, HDCP-compliant (3) mini DisplayPort (1.2), digital, HDCP-compliant (1) detachable, HDMI at each end, digital, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount) Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)	
Signal cables			
Mounting features Security			
Ship group		Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter HDMI cable, 1.8 meter USB 3.0 cable, 1.8 meter USB 2.0 cable, 1.8 meter black power cord	
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories Kensington MicroSaver Cable Lock 73P2582 Kensington Twin Head Cable Lock 45K1620 Lenovo Security Cable Lock 57Y4303 See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	

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Lenovo ThinkVision X1 Specifications

Product Specifications Reference (PSREF)

Name Case color Type-model Panel Viewable image size Max view area (W x H) Optimum resolution Max pixel rate Aspect ratio Pixel pitch (mm) Dot/Pixel per Inch Brightness Contrast ratio Pixel response time Color gamut Viewing angle at 10:1 CR Stand Bezel width Dimensions (HxWxD, including stand) Power supply Weight Limited warranty ⁴ Available date	X1 Wide Flat Panel Monitor Black 60E2GAR1US TFT-LCD, IPS (In-Plane Switching), White LED backlight 27" (684.7mm) diagonal 23.49" x 13.21" (596.7mm x 335.7mm) 3840x2160 600MHz 16:9 0.16 x 0.16mm 163 dpi 300 nits or cd/m ² (typical) 1300:1 (typical) 6ms 99% 178° horizontal, 178° vertical Tilt stand Sides: 0.088" (2.23mm) 19.35" H x 24.19" W x 10.63" D; 491.4mm H x 614.5mm W x 270.0mm D 40 watts typical, 130 watts maximum (with USB), <0.5 watts sleep/off; <0.5 watts switch off 14.11 lb; 6.40kg (including stand) 3 year March 2016	Features • 27-inch IPS LED backlit monitor with speaker • Supports 3840x2160 resolution • 5-Ports USB hub, support USB Type-C • 3watts x 2 stereo speakers • Microsoft® Windows® 7 certified • Microsoft Windows 10 certified						
VESA-compliant ² Power management Ergonomics Emission standards Environmental	VESA DDC2B/CI ENERGY STAR® 7.0 ISO 9241-307 FCC Class B TCO Displays 7.0, RoHS, EPEAT™ Silver rating , ULE Gold	 ThinkVision X1 Monitor						
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x720, 1280x768, 1280x800, 1360x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080, 1920x1200 UHD: 3840x2160							
Presets / user settings	Standard presets: 20; user settings: 20							
Viewing adjustments Rotating screen On screen display Control features USB hub Multimedia Camera Multiple input Monitor connectors Signal cables Mounting features Security	<i>Tilt:</i> 22° back, -5° forward; None On screen display with digital user controls (8 languages) Direct access (touch buttons on front) for menu, mute, volume up/down, and brightness USB Hub: one USB 3.0 Type-C upstream port, four USB 3.0 downstream ports Integrated stereo speakers (3 watts x 2), built-in microphone Full HD camera with LED light Support HDMI, DisplayPort (1) HDMI (1.4), digital, HDCP-compliant (2) DisplayPort (1.2), digital, HDCP-compliant (1) detachable, HDMI at each end, digital, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPI® (100mm mount) Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)							
Ship group	Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter HDMI cable, 1.8 meter USB Type-C cable, 1.8 meter USB Type-C to Type-A cable, 1.8 meter black power cord, mini DP to DP adapter, power adapter (135W)							
Limited Warranty See details at http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281		Accessories <table><tr><td>Kensington MicroSaver Cable Lock</td><td>73P2582</td></tr><tr><td>Kensington Twin Head Cable Lock</td><td>45K1620</td></tr><tr><td>Lenovo Security Cable Lock</td><td>57Y4303</td></tr></table> See details at www.lenovo.com/support/monitoraccessories See all monitors at www.lenovo.com/thinkvision	Kensington MicroSaver Cable Lock	73P2582	Kensington Twin Head Cable Lock	45K1620	Lenovo Security Cable Lock	57Y4303
Kensington MicroSaver Cable Lock	73P2582							
Kensington Twin Head Cable Lock	45K1620							
Lenovo Security Cable Lock	57Y4303							

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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, go to: http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page. 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 **Lenovo 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. 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.

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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