ThinkVision

Product Specifications Reference

PSREF

Version 467, January 2015

ThinkVision® Monitors

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Contents

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.

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Additions in this update

▶ **New product(s)**
Lenovo ThinkVision T2014 new product announced

▶ **Others**
None

Changes in this update

▶ None

Withdrawals in this update

▶ None

		Features
Name	**E1922 Wide Flat Panel Monitor**	• Widescreen 18.5-inch monitor
Case color	**Business black**	• Supports HD 1366x768 resolution
Type-model	**60B8AAR6US**	• Supports VESA mount (100mm)
Panel	TFT-LCD, twisted nematic (TN), White LED backlight	• Mercury free panel and arsenic free glass
Viewable image size	**18.5"** (**470mm**) diagonal	• Kensington lock slot ready for enhanced security
Max view area (W x H)	16.1" x 9.1" / 409.8mm x 230.4mm	• Support Lenovo Tiny PC via VESA mount
Native resolution	**1366x768**	• Microsoft® Windows® 7 certified
Aspect ratio	16:9	• Microsoft Windows 8 / Windows 8.1 certified
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

ThinkVision E1922 Wide Monitor

Viewing adjustments	*Tilt:* 20° backward, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (control buttons on front) for automatic image setup and adjustment for brightness
Multiple input	None
Monitor connectors	VGA 15-pin D-shell, analog, blue
Signal cables	detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor with stand, 1.8 meter analog 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**	

Name	**E2223s Wide Flat Panel Monitor**
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
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 FPMPMI® (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

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

ThinkVision E2223s Wide Monitor

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	**E2323 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**60B0HAR1US**
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	*Sides:* 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	*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 FPMPMI® (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

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

ThinkVision E2323 Wide Monitor

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 LT1421 Wide Mobile Monitor

Name	**LT1421 Wide Mobile Monitor**
Case color	**Raven black**
Type-model	**1452-DS6 (with Protective Screen Cover)**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**14.0"** (**355.6mm**) diagonal
Max view area (W x H)	12.2" x 6.9" (310.8mm x 175.3mm)
Optimum resolution	**1366x768**
Aspect ratio	16:9
Pixel pitch (mm)	.227mm
Dot/Pixel per Inch	112 dpi
Brightness	200 nits or cd/m² (typical)
Contrast ratio	400:1 (typical)
Pixel response time	8ms (typical)
Color gamut	45%
Viewing angle at 10:1 CR	90° (+/- 45°) horizontal, 50° (+/- 25°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.476" (12.1mm)
Dimensions (HxWxD)	8.58" H x 13.19" W x 0.37-0.85" D; 217.9mm H x 335mm W x 9.3-21.5mm D
Power supply	4.2 watts typical, 5 watts maximum, <0.1 watts standby/suspend, universal, USB 2.0 cable (no external brick-like power supply)
Weight	*monitor only:* 1.91 lb; 0.87 kg; *with Protective Screen Cover:* 2.31 lb; 1.05 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.1
Emission standards	FCC Class B
Environmental	WEEE, RoHS
Preset resolutions	Display mode and resolution auto setup

Protective Screen Cover	Polycarbonate Snap-On Cover protects the LCD Screen while not in use

Viewing adjustments	*Tilt:* 12° - 40° backward
Screen control	Brightness (16 levels)
Input	USB input
Monitor connectors	USB 2.0
Signal cables	detachable, USB Y-Type cable, 1.8 meter
Mounting features	None
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached tile stand that cannot be removed, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter USB Y-Type cable, Protective Screen Cover

Features

- Widescreen 14-inch mobile monitor designed for ThinkPad
- Light and Slim
- Super low power (<5 watts)
- Supports 1366x768 resolution
- Ergonomic stand tilts, provides a 12° - 40° backward tilt adjustment for comfortable viewing
- Detachable USB cable for power and signal
- Microsoft® Windows® 7 certified

ThinkVision LT1421 Wide Mobile Monitor

ThinkVision LT1421 Wide Mobile Monitor with ThinkPad Edge E420s

ThinkVision LT1421 with Protective Screen Cover

Limited Warranty

- ⮞ **3 year limited warranty**[4]
- ⮞ **International Warranty Service**[5]
- ⮞ **Replacement normally arrives in two business days, excluding holidays**
- ⮞ **Lenovo pays all shipping costs for valid warranty claims**[6]
- ⮞ **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- ⮞ **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

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	**LT1423p Mobile Touch Monitor w/pen**
Case color	**Raven black**
Type-model	**60A3UAR2US (with Digitizer pen)**
Panel	TFT-LCD, AH-IPS, White LED backlight
Viewable image size	**13.3"** (**337.8mm**) diagonal
Max view area (W x H)	11.57" x 6.50" (293.8mm x 165.2mm)
Optimum resolution	**1600x900**
Aspect ratio	16:9
Pixel pitch (mm)	.184mm
Dot/Pixel per Inch	138 dpi
Brightness	200 nits or cd/m² (typical)
Contrast ratio	500:1 (typical)
Pixel response time	35ms (typical)
Color gamut	45%
Viewing angle at 10:1 CR	150° (+/- 75°) horizontal, 150° (+/- 75°) vertical
Stand	Bulid in typing stand
Bezel width	*Sides:* 1.04" (26.5mm);
	top: 1.16" (29. 5mm);
	bottom: 1.16" (29. 5mm)
Dimensions (HxWxD)	8.87" H x 13.70" W x 0.26-0.50" D;
	225.4mm H x 348.0mm W x 6.7-12.7mm D
Power supply	6.0 watts typical, 7.0 watts maximum,
	<1.5 watts standby/suspend, universal,
	USB 3.0 cable (no external brick-like power supply)
Weight	1.87 lb; 0.85 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2013

VESA-compliant[2]	None
Power management	None
Emission standards	FCC Class B
Environmental	RoHS
Preset resolutions	SVGA: 800x600
	XGA: 1024x768
	SXGA: 1280x1024
	WXGA: 1280x720, 1280x800, 1366x768
	WXGA+: 1440x900, 1600x900
Presets / user settings	7

Build in typing Stand	Yes
Touch Screen	10-point touch
Digitizer Pen	ThinkPad Digitizer pen
Input	USB input
Monitor connectors	USB 3.0
Signal cables	detachable, USB to mini-USB cable, 100cm
	detachable, USB Y-Type cable, 45cm
Mounting features	None
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Protective glass layer	Gorilla glass
Simple Cover Stand	Yes
Digital Control key	3 digital control keys
Battery	None

Ship group	Monitor, build in typing stand that cannot be removed, Setup poster, Safety and Warranty Information, 100cm USB to mini-USB cable, 45cm USB Y-Type cable, Simple Cover Stand, ThinkPad Digitizer pen

Features

- Widescreen 13.3-inch mobile Touch monitor
- Supports 10-point touch
- Supports ThinkPad Digitizer pen
- Supports 1600x900 resolution
- Detachable USB cable for power and signal
- Arsenic/Mercury free
- Microsoft® Windows® 7 certified
- Microsoft® Windows® 8 certified

ThinkVision LT1423p

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 LT1423p Mobile Touch Monitor (Wireless)

Name	**LT1423p Mobile Touch Monitor w/pen (Wireless)**
Case color	**Raven black**
Type-model	**60ACUAR2US (with Digitizer pen)**
Panel	TFT-LCD, AH-IPS, White LED backlight
Viewable image size	**13.3"** (**337.8mm**) diagonal
Max view area (W x H)	11.57" x 6.50" (293.8mm x 165.2mm)
Optimum resolution	**1600x900**
Aspect ratio	16:9
Pixel pitch (mm)	.184mm
Dot/Pixel per Inch	138 dpi
Brightness	200 nits or cd/m^2 (typical)
Contrast ratio	500:1 (typical)
Pixel response time	35ms (typical)
Color gamut	45%
Viewing angle at 10:1 CR	150° (+/- 75°) horizontal, 150° (+/- 75°) vertical
Stand	Bulid in typing stand
Bezel width	*Sides:* 1.04" (26.5mm);
	top: 1.16" (29. 5mm);
	bottom: 1.16" (29. 5mm)
Dimensions (HxWxD)	8.87" H x 13.70" W x 0.50" D;
	225.4mm H x 348.0mm W x 12.7mm D
Power supply	13.0 watts typical, 16.0 watts maximum,
	<0.5 watts standby/suspend, universal,
	USB 3.0 cable (no external brick-like power supply)
Weight	2.86 lb; 1.30 kg
Limited warranty[4]	**1 year** (includes backlight)
Available date	October 2013

VESA-compliant[2]	None
Power management	None
Emission standards	FCC Class B
Environmental	RoHS
Preset resolutions	SVGA: 800x600
	XGA: 1024x768
	WXGA: 1280x720, 1280x800, 1366x768
	WXGA+: 1440x900, 1600x900
Presets / user settings	7

Build in typing Stand	Yes
Touch Screen	10-point touch
Digitizer Pen	ThinkPad Digitizer pen
Input	WiFi 802.11 a/b/g/n and USB input
Monitor connectors	USB 3.0
Signal cables	detachable, USB to mini-USB cable, 100cm
	detachable, USB Y-Type cable, 45cm
Mounting features	None
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Protective glass layer	Gorilla glass
Simple Cover Stand	Yes
Digital Control key	4 digital control keys
Battery	8120 mAh

Ship group	Monitor, build in typing stand that cannot be removed, Setup poster, Safety and Warranty Information, 100cm USB to mini-USB cable, 45cm USB Y-Type cable, USB WiFi dongle, Simple Cover Stand, ThinkPad Digitizer pen

Features

- Widescreen 13.3-inch mobile Touch monitor (Wireless)
- 8m wireless range and up to 4 hours battery
- Supports 10-point touch
- Supports ThinkPad Digitizer pen
- Supports 1600x900 resolution
- Arsenic/Mercury free
- Microsoft® Windows® 7 certified
- Microsoft® Windows® 8 certified

ThinkVision LT1423p (Wireless)

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	**LT1713p Square Flat Panel Monitor**
Case color	**Business black**
Type-model	**60B3HAR2US**
Panel	TFT-LCD, twisted nematic (TN), LED backlight
Viewable image size	**17.0"** (**432mm**) diagonal
Max view area (W x H)	13.3" x 10.6" (337.9mm x 270.3mm)
Optimum resolution	**1280x1024**
Aspect ratio	5:4
Pixel pitch (mm)	0.264mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m^2 (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 height adjustable stand
Bezel width	*Sides:* 0.60" (15.3mm);
	top: 0.73" (18.4mm);
	bottom: 1.10" (28.1mm)
Dimensions	16.0" H x 14.6" W x 6.5" D;
(HxWxD, including stand)	405.7mm H x 370.0mm W x 165.2mm D
Power supply	13.0 watts typical, 16.0 watts maximum,
	<0.5 watts standby/suspend, universal,
	integrated (no external brick-like power supply)
Weight	7.90 lb; 3.60kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	January 2014

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 6.0
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, 640x500, 720x400
	SVGA:	800x600
	XGA:	1024x768, 1152x864,
	SXGA:	1280x1024
Presets / user settings	Standard presets: 17;	
	user settings: 22	

Features

- 17-inch Square LCD monitor
- Supports SXGA 1280x1024 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Arsenic free glass
- Supports Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified
- Microsoft Windows 8.1 certified

ThinkVision LT1713p Monitor

Viewing adjustments	*Tilt:* 22° back, -3° forward; *lift:* 4.3" (110mm)
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
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 FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor and stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter 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

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

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

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced December 17, 2013

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(LT1713P) January 2014

Name	**LT1913p Square Flat Panel Monitor**
Case color	**Business black**
Type-model	**60AAHAR1US**
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/m^2 (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)	14.89" H x 16.18" W x 8.74" D; 378.3mm H x 411.0mm W x 221.9mm 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	August 2013
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

Features

- 19-inch Square IPS LED backlit panel
- Supports 1280x1024 resolution
- Support Lenovo Tiny PC via optional Lenovo bracket
- Mercury and arsenic free glass
- Low Halogen
- Recycled content in plastic material
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT1913p Square Monitor

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 FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, 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
Lenovo Security Cable Lock	57Y4303
Lenovo Easy Reach Monitor Stand	55Y9258

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

See all monitors at **www.lenovo.com/thinkvision**

Name	**LT1952p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2448-MB6**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**19"** (**482.6mm**) diagonal
Max view area (W x H)	16.07" x 10.05" (408.2mm x 255.2mm)
Optimum resolution	**1440x900**
Max pixel rate	137MHz
Aspect ratio	16:10
Pixel pitch (mm)	0.2835mm
Dot/Pixel per Inch	89.4 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Tilt, swivel, and height adjustable stand
Bezel width	*Sides:* 0.61" (15.6mm); *top:* 0.67" (17.1mm); *bottom:* 1.2" (30.5mm)
Dimensions (HxWxD)	15.66-19.99" H x 17.36" W x 6.74" D; 397.7-507.7mm H x 440.9mm W x 171.3mm D
Power supply	13 watts typical, 17 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	9.49 lb; 4.30kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 5.1
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 5.2, TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT**™ **Gold rating**, ULE Gold

Preset resolutions	VGA: 640x350, 640x480, 720x400
	SVGA: 800x600
	XGA: 1024x768, 1152x864
	SXGA: 1280x1024
	WXGA: 1280x768, 1366x768
	WXGA+: 1440x900
Presets / user settings	Standard presets: 22; user settings: 22

Viewing adjustments	*Tilt:* 20° back, -3° forward; *lift:* 4.3" (110mm); *swivel:* +/-180°; detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue
	(2) DisplayPort, digital, black, HDCP-compliant
	(3) 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
	Note: DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537)
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

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

Features

- Widescreen 19-inch monitor
- Supports 1440x900 resolution
- Ergonomic stand tilts, swivel, and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Cable Management for better user experience
- Mercury and arsenic free glass
- Recycled content in plastic material
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision LT1952p Wide Monitor

Limited Warranty

- ➾ **3 year limited warranty**[4]
- ➾ **International Warranty Service**[5]
- ➾ **Replacement normally arrives in two business days, excluding holidays**
- ➾ **Lenovo pays all shipping costs for valid warranty claims**[6]
- ➾ **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- ➾ **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

DisplayPort to DisplayPort Monitor Cable	0A36537
Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

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

See all monitors at **www.lenovo.com/thinkvision**

Name	**LT1953 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**1453-HB1** (Latin America)
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**19"** (**482.6mm**) diagonal
Max view area (W x H)	16.07" x 10.05" (408.2mm x 255.2mm)
Optimum resolution	**1440x900**
Max pixel rate	205MHz(VGA), 165MHz(DVI)
Aspect ratio	16:10
Pixel pitch (mm)	0.2835mm
Dot/Pixel per Inch	89.4 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.66" (16.8mm); *top:* 0.66" (16.8mm); *bottom:* 0.66" (16.8mm)
Dimensions (HxWxD, excluding stand)	11.42" H x 17.45" W x 1.99" D; 290.2mm H x 443.2mm W x 50.5mm D
Dimensions (HxWxD, including stand)	13.94" H x 17.45" W x 6.33" D; 354.0mm H x 443.2mm W x 160.7mm D
Power supply	17 watts typical, 20 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	6.61 lb; 3.00kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	March 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 1.1, WEEE, RoHS, **EPEAT™ Gold rating**, ULE Gold

Preset resolutions	VGA:	640x350, 640x480, 720x400
	SVGA:	800x600, 832x624
	XGA:	1024x768, 1152x864
	SXGA:	1280x1024
	WXGA+:	1440x900
Presets / user settings	Standard presets: 20; user settings: 20	

Viewing adjustments	*Tilt:* 22° back, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (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 FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, tilt stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord

Features

- Widescreen 19-inch monitor
- Supports 1440x900 resolution
- VGA and DVI connections
- Arsenic free glass
- Support Lenovo Tiny PC via VESA mount
- 85% PCC plastic resins
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT1953 Wide Monitor

Limited Warranty

- ↪ **3 year limited warranty**[4]
- ↪ **International Warranty Service**[5]
- ↪ **Replacement normally arrives in two business days, excluding holidays**
- ↪ **Lenovo pays all shipping costs for valid warranty claims**[6]
- ↪ **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- ↪ **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

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**

See footnotes for important warranty information
Latin America model announced March 5, 2013 (This model is not available in the US)

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(LT1953) March 2013

Name	**LT2013p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**60A0MAR1US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**19.5" (494mm)** diagonal
Max view area (W x H)	17.05" x 9.44" / 433.0mm x 239.8mm
Optimum resolution	**1600x900**
Aspect ratio	16:9
Pixel pitch (mm)	.27mm
Dot/Pixel per Inch	94 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, swivel, pivot, and height adjustable stand (tooless detachable)
Bezel width	*Sides:* 0.66" (16.8mm); *top:* 0.66" (16.8mm); *bottom:* 0.66" (16.8mm)
Dimensions (HxWxD, excluding stand)	10.82" H x 18.39" W x 2.07" D; 274.8mm H x 467.0mm W x 52.8mm D
Dimensions (HxWxD, including stand)	13.25" H x 18.39" W x 7.87" D; 336.5mm H x 467.0mm W x 200.0mm D
Power supply	17 watts typical, 36 watts maximum, <1.0 watts sleep/off (w/o USB hub); <0.5 watts switch off (w/o USB hub) integrated (no external brick-like power supply)
Weight	9.70 lb; 4.40kg (excluding stand)
Limited warranty[4]	**3 year** (includes backlight)
Available date	March 2013

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
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 1.1, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400
	SVGA: 800x600, 832x624
	XGA: 1024x768, 1152x864
	SXGA: 1280x1024
	WXGA: 1366x768
	WXGA+: 1440x900
	WSXGA+: 1600x900
Presets / user settings	Presets: 24; user settings: 24

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller, do not support image rotation under dual image modes)
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
USB hub	USB 2.0 Hub (1 port into PC, 4 ports for accessories)
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue
	(2) DisplayPort, digital, black, **HDCP-compliant**
	(3) 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 asccessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, tooless detachable stand, Quick start and safety poster, analog signal cable, 1.8 meter USB cable, 1.8 meter black power cord

Features

- Widescreen 19.5-inch monitor
- HD support, HDCP-compliant
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Compliance with ENERGY STAR 6.0
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Arsenic/Lead/Mercury free
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT2013p Wide Monitor

Limited Warranty

- ➥ **3 year limited warranty**[4]
- ➥ **International Warranty Service**[5]
- ➥ **Replacement normally arrives in two business days, excluding holidays**
- ➥ **Lenovo pays all shipping costs for valid warranty claims**[6]
- ➥ **Service upgrade options:**[7]
  - • **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - • **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - • **4 year, mail exchange** (51J0589)
  - • **5 year, mail exchange** (51J0590)
- ➥ **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

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

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

See all monitors at **www.lenovo.com/thinkvision**

Name	**LT2013s Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**60ABAAR1US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**19.5"** (**494mm**) diagonal
Max view area (W x H)	17.08" x 9.30" / 433.9mm x 236.3mm
Optimum resolution	**1600x900**
Aspect ratio	16:9
Pixel pitch (mm)	.27 (H) x .26 (V) mm
Dot/Pixel per Inch	281/94 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° (+ 15/- 35°) vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.62" (15.85mm);
	top: 0.73" (18.55mm);
	bottom: 0.73" (18.55mm)
Dimensions	10.83" H x 18.41" W x 2.09" D;
(HxWxD, excluding stand)	274.8mm H x 467.0mm W x 53.0mm D
Dimensions	13.50" H x 18.41" W x 6.33" D;
(HxWxD, including stand)	342.4mm H x 467.0mm W x 160.7mm D
Power supply	17 watts typical, 19 watts maximum,
	<0.5 watts sleep/off;
	<0.5 watts switch off
	integrated (no external brick-like power supply)
Weight	5.50 lb; 2.50kg (excluding stand)
Limited warranty[4]	**3 year** (includes backlight)
Available date	July 2013

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	RoHS, **EPEAT™ Silver rating**

Preset resolutions	VGA:	640x350, 640x480, 720x400
	SVGA:	800x600, 832x624
	XGA:	1024x768, 1152x864
	SXGA:	1280x1024
	WXGA:	1366x768
	WXGA+:	1440x900
	WSXGA+:	1600x900
Presets / user settings	Presets: 24; user settings: 24	

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
USB hub	None
Multiple input	VGA input
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue
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 asccessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, stand and base, Quick start and safety poster, analog signal cable, 1.8 meter black power cord

Features

- Widescreen 19.5-inch monitor
- Compliance with ENERGY STAR 6.0
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- EPEAT Silver certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT2013s Wide Monitor

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
Lenovo Easy Reach Monitor Stand	55Y9258
ThinkCentre Extend Arm	57Y4352

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

See all monitors at **www.lenovo.com/thinkvision**

Name	**LT2024 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**60B9HAR1US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**20.0" (508mm)** diagonal
Max view area (W x H)	17.4" x 9.8" (442.8mm x 249.1mm)
Native resolution	**1600x900**
Aspect ratio	16:9
Pixel pitch (mm)	.276mm
Dot/Pixel per Inch	92 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:* 0.567" (14.4mm)
Dimensions (HxWxD)	13.68" H x 18.83" W x 6.33" D; 347.4mm H x 478.4mm W x 160.7mm D
Power supply	19 watts typical, 22 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	6.75 lb; 3.07 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	March 2014

VESA-compliant[2]	VESA DDC2B/CI
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
Presets / user settings	Standard presets: 24	
	user settings: 24	

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

ThinkVision LT2024 Wide Monitor

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

Name	**ThinkVision LT2223p**
	21.5-inch FHD LED Backlit LCD Monitor
Case color	**Business black**
Type-model	**60A1MAR2US**
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
Optimum resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.248mm
Dot/Pixel per Inch	103 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Dynamic Contrast ratio	2000000:1
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand (tooless detachable)
Bezel width	*Sides:* 0.68" (17.3mm);
	top: 0.68" (17.3mm);
	bottom: 0.68" (17.3mm)
Dimensions	11.97" H x 20.18" W x 2.22" D;
(HxWxD, excluding stand)	304.1mm H x 512.6mm W x 56.4mm D
Dimensions	14.29" H x 20.18" W x 8.60" D;
(HxWxD, including stand)	362.9mm H x 512.6mm W x 218.4mm D
Power supply	23 watts typical, 27 watts maximum,
	<0.5 watts standby/suspend, universal,
	integrated (no external brick-like power supply)
Weight (including stand)	10.94 lb; 4.96kg
Weight (Head only)	6.77 lb; 3.07kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	March 2013

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
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 1.1, RoHS,
	EPEAT™ **Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400
	SVGA: 800x600, 832x624
	XGA: 1024x768, 1152x864
	SXGA: 1280x1024
	WXGA: 1366x768
	WXGA+: 1440x900
	WSXGA+: 1600x900, 1680x1050
	Full HD: 1920x1080
Presets / user settings	Presets: 27; user settings: 20

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller, do not support image rotation under dual image modes)
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
USB hub	USB 2.0 Hub: 1 port into PC (USB 2.0); 4 ports for accessories (4 USB 2.0)
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue
	(2) DisplayPort (1.2), digital, black, **HDCP-compliant**
	(3) 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 ascceessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, tooless detachable stand, Quick start and safety poster, analog signal cable, 1.8 meter USB cable, 1.8 meter black power cord

Features

- Widescreen 21.5-inch monitor
- 1080p full HD support
- Integrated USB Hub (4 USB 2.0)
- Supports VGA, DisplayPort 1.2 and HDMI 1.4 interfaces (HDCP-compliant)
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Compliance with ENERGY STAR 6.0
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Arsenic/Lead/Mercury free
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT2223p Wide Monitor

Limited Warranty

- ➯ **3 year limited warranty**[4]
- ➯ **International Warranty Service**[5]
- ➯ **Replacement normally arrives in two business days, excluding holidays**
- ➯ **Lenovo pays all shipping costs for valid warranty claims**[6]
- ➯ **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- ➯ **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

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

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

See all monitors at **www.lenovo.com/thinkvision**

Name	**ThinkVision LT2223z**
	21.5-inch FHD LED Backlit LCD VoIP Monitor
Case color	**Business black**
Type-model	**60A2MAR2US**
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
Optimum resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.248mm
Dot/Pixel per Inch	103 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Dynamic Contrast ratio	2000000:1
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand (tooless detachable)
Bezel width	*Sides:* 0.68" (17.3mm);
	top: 1.33" (33.8mm);
	bottom: 1.88" (47.8mm)
Dimensions	13.82" H x 20.18" W x 2.12" D;
(HxWxD, excluding stand)	351.1mm H x 512.6mm W x 56.4mm D
Dimensions	14.94" H x 20.18" W x 8.60" D;
(HxWxD, including stand)	379.4mm H x 512.6mm W x 218.4mm D
Power supply	24 watts typical, 28 watts maximum,
	<0.5 watts standby/suspend, universal,
	integrated (no external brick-like power supply)
Weight (including stand)	11.98 lb; 5.43kg
Weight (Head only)	7.79 lb; 3.53kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	April 2013

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
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 1.1, RoHS, **EPEAT**™ **Gold rating**

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

Presets / user settings	Presets: 25; user settings: 20

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller, do not support image rotation under dual image modes)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for MIC mute, speaker mute and hook switch buttons
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 (FHD) and digital dual microphone array, with Camera lock button for security
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue
	(2) DisplayPort (1.2), digital, black, **HDCP-compliant**
	(3) HDMI (1.4), digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, tooless detachable stand, Quick start and safety poster, analog signal cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord

Features

- Widescreen 21.5-inch monitor
- 1080p full HD support
- Integrated camera (FHD), speakers & dual digital microphone
- Integrated USB 3.0 Hub (2 USB 3.0)
- Supports VGA, DisplayPort 1.2 and HDMI 1.4 interfaces (HDCP-compliant)
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Compliance with ENERGY STAR 6.0
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Arsenic/Lead/Mercury free
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT2223z Wide Monitor

Limited Warranty

- ⮎ **3 year limited warranty**[4]
- ⮎ **International Warranty Service**[5]
- ⮎ **Replacement normally arrives in two business days, excluding holidays**
- ⮎ **Lenovo pays all shipping costs for valid warranty claims**[6]
- ⮎ **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- ⮎ **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

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

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

See all monitors at **www.lenovo.com/thinkvision**

Lenovo ThinkVision LT2252p Wide

Name	**LT2252p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2572-MB6 / 2572-MB1**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**22"** (**559mm**) diagonal
Max view area (W x H)	18.7" x 11.7" (473.8mm x 296.1mm)
Optimum resolution	**1680x1050**
Max pixel rate	205MHz
Aspect ratio	16:10
Pixel pitch (mm)	0.282mm
Dot/Pixel per Inch	90 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.60" (15.3mm); *top:* 0.79" (20.0mm); *bottom:* 1.10" (28.0mm)
Dimensions (HxWxD)	14.46-18.79" H x 19.92" W x 9.50" D; 367.3-477.3mm H x 506mm W x 241.2mm D
Power supply	20 watts typical, 26 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.97lb; 5.89kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011 / December 2012

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 5.1 (2572-MB6) ENERGY STAR® 6.0 (2572-MB1)
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 5.2, TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT**™ **Gold rating**, ULE Gold

Preset resolutions	VGA:	640x350, 640x480, 720x400
	SVGA:	800x600
	XGA:	1024x768, 1152x864
	SXGA:	1280x1024
	WXGA:	1280x768, 1280x800, 1366x768
	WXGA+:	1440x900
		1600x900
	WSXGA+:	1680x1050
Presets / user settings	Standard presets: *VGA/DisplayPort:* 26; *DVI-D:* 25; user settings: 25	

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
USB hub	None
Camera	None
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant** (3) Digital Visual Interface (DVI-D) for digital attach [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 Note: DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537)
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

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

Features

- Widescreen 22-inch monitor
- Supports 1680x1050 resolution
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Cable Management for better user experience
- Mercury and arsenic free glass
- Recycled content in plastic material
- Privacy Filter Slot
- Microsoft® Windows® 7 certified
- Model 2572-MB1 supports Lenovo Tiny PC via optional Lenovo bracket

ThinkVision LT2252p Wide Monitor

Limited Warranty

- ➥ **3 year limited warranty**[4]
- ➥ **International Warranty Service**[5]
- ➥ **Replacement normally arrives in two business days, excluding holidays**
- ➥ **Lenovo pays all shipping costs for valid warranty claims**[6]
- ➥ **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- ➥ **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

DisplayPort to DisplayPort Monitor Cable	0A36537
Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

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

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced September 13, 2011 or December 18, 2012
US model 2572-MB6 withdrawn effective October 31, 2013

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(LT2252P) January 2014

Name	**LT2323p Wide Flat Panel Monitor**
Case color	**Raven black**
Type-model	**3024-HC1**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**23.0"** (**584mm**) diagonal
Max view area (W x H)	18.65" x 11.66" / 473.8mm x 296.1mm
Optimum 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%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	30 to 83kHz
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand (tooless detachable)
Bezel width	*Sides:* 0.68" (17.2mm); *top:* 0.70" (17.7mm); *bottom:* 0.94" (24.0mm)
Dimensions (HxWxD)	14.66" H x 21.49" W x 2.06" D; (excluding stand) 372.3mm H x 546.0mm W x 52.3mm D
Power supply	20 watts typical, 38 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.65 lb; 5.74kg (excluding stand)
Limited warranty[4]	**3 year** (includes backlight)
Available date	May 2012

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 6.0 DRAFT
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO (TCO Certified Edge 1.1), WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA:	640x350, 640x480, 720x400
	SVGA:	800x600
	XGA:	1024x768, 1152x864
	SXGA:	1280x1024
	WXGA:	1280x768, 1360x768
	WXGA+:	1440x900
	WSXGA+:	1680x1050
	Full HD:	1920x1080

Presets / user settings	Presets: 26; user settings: 25

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller, do not support image rotation under dual image modes)
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
USB hub	USB 2.0 Hub (1 port into PC, 4 ports for accessories)
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant** (3) 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 Note: DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537)
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, tooless detachable stand, Quick start and safety poster, analog signal cable, DVI-D cable, 1.8 meter USB cable, 1.8 meter black power cord

Features

- Widescreen 23-inch monitor
- 1080p full HD support, HDCP-compliant
- Built-in VGA, DVI and DisplayPort connectors for attachment to three systems concurrently
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Compliance with ENERGY STAR 6.0 DRAFT
- Microsoft® Windows® 7 certified

ThinkVision LT2323p Wide Monitor

Limited Warranty

- ⮞ **3 year limited warranty**[4]
- ⮞ **International Warranty Service**[5]
- ⮞ **Replacement normally arrives in two business days, excluding holidays**
- ⮞ **Lenovo pays all shipping costs for valid warranty claims**[6]
- ⮞ **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- ⮞ **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

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

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

See all monitors at **www.lenovo.com/thinkvision**

Name	**LT2323z Wide Flat Panel Monitor**
Case color	**Raven black**
Type-model	**3028-LB2**
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	**23.0"** (**584mm**) diagonal
Max view area (W x H)	20.05" x 11.28" / 509.2mm x 286.4mm
Optimum 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	7ms (typical)
Color gamut	72%
Anti-reflective	Anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	*VGA:* 30 to 81kHz; *DP:* 30 to 75kHz
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand (tooless detachable)
Bezel width	*Sides:* 0.68" (17.3mm); *top:* 1.15" (29.1mm); *bottom:* 2.76" (70.1mm)
Dimensions (HxWxD)	15.24" H x 21.47" W x 2.22" D; (excluding stand) 387.2mm H x 545.3mm W x 56.4mm D
Power supply	25 watts typical, 40 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	13.71 lb; 6.22kg (excluding stand)
Limited warranty[4]	**3 year** (includes backlight)
Available date	June 2012

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 6.0 DRAFT
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO (TCO Certified Edge 1.1), WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400
	SVGA: 800x600
	XGA: 1024x768, 1152x864
	SXGA: 1280x1024
	WXGA: 1280x768, 1360x768
	WXGA+: 1440x900
	WSXGA+: 1600x1050
	UXGA: 1600x1200
	Full HD: 1920x1080
Presets / user settings	Presets: 26; user settings: 20

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller, do not support image rotation under dual image modes)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front and side) for MIC mute, speaker mute, hook switch and volume +/- buttons
USB hub	USB 3.0 Hub: 1 port into PC; 5 ports for accessories (3 USB 3.0 + 2 USB 2.0)
Multimedia	Integrated digital speakers (3 watts x 2)
Camera	Integrated camera (Full HD) and digital dual microphone array, with Camera lock button for security
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, tooless detachable stand, Quick start and safety poster, analog signal cable, DisplayPort cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord

Features

- Widescreen 23-inch IPS monitor
- 1080p full HD support, HDCP-compliant
- Built-in VGA and DisplayPort connectors for attachment to two systems concurrently
- Integrated camera (Full HD) and dual digital microphone
- Integrated USB 3.0 Hub
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Compliance with ENERGY STAR 6.0 DRAFT
- Ambient light sensor to automatically adjust the backlight
- Microsoft® Lync™ certified VoIP monitor
- EPEAT Gold certified

ThinkVision LT2323z Wide Monitor

Limited Warranty

- ➱ **3 year limited warranty**[4]
- ➱ **International Warranty Service**[5]
- ➱ **Replacement normally arrives in two business days, excluding holidays**
- ➱ **Lenovo pays all shipping costs for valid warranty claims**[6]
- ➱ **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- ➱ **24x7[8] day toll-free support for warranty issues during the warranty period**[4]

Accessories

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

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

See all monitors at **www.lenovo.com/thinkvision**

Name	**LT2423 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**60A8KAR2US**
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
Presets / 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 FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter Audio cable, 1.8 meter black power cord

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

ThinkVision LT2423 Wide Monitor

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
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

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

See all monitors at **www.lenovo.com/thinkvision**

Lenovo ThinkVision LT2452p Wide

Name	**LT2452p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**4420-MB2 / 60A6MAR2US**
Panel	TFT-LCD, e-IPS, White LED backlight
Viewable image size	**24"** (**610mm**) diagonal
Max view area (W x H)	20.4" x 12.8" (518.4mm x 324.0mm)
Optimum resolution	**1920x1200**
Max pixel rate	202.5MHz
Aspect ratio	16:10
Pixel pitch (mm)	0.270mm
Dot/Pixel per Inch	94 dpi
Brightness	300 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (GtG)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Viewing angle at 10:1 CR	178° horizontal, 178° vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.78" (19.9mm); *top:* 0.78" (19.9mm); *bottom:* 1.12" (28.4mm)
Dimensions (HxWxD)	15.54-19.87" H x 22" W x 10.13" D; 394.8-504.8mm H x 559.6mm W x 257.3mm D
Power supply	30 watts typical (w/o USB hub), 40 watts maximum (w/o USB hub), <0.5 watts standby/suspend (w/o USB hub), universal, integrated (no external brick-like power supply)
Weight	14.70 lb; 6.67kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011 / April 2013
VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 5.1 (4420-MB2) ENERGY STAR® 6.0 (60A6MAR2US)
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 5.2 (4420-MB2), TCO Displays 6.0 (60A6MAR2US), TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT**™ **Gold rating**, ULE Gold
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768,1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 UXGA: 1600x1200 WSXGA+: 1680x1050 Full HD: 1920x1080 WUXGA: 1920x1200
Presets / user settings	Standard presets: 30; User settings: 20

Features

- Widescreen 24-inch monitor
- Supports 1920x1200 resolution
- High Definition (HD) ready; supports 1080p video
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Cable Management for better user experience
- Carrying handle
- Recycled content in plastic material
- Microsoft® Windows® 8 certified
- PVC/Arsenic/Lead/Mercury free (60A6MAR2US)

ThinkVision LT2452p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
USB hub	USB 2.0 Hub (1 port into PC, 4 ports for accessories)
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant** (3) 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 Note: DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537)
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter USB cable, 1.8 meter black power cord

Limited Warranty

- ➥ **3 year limited warranty**[4]
- ➥ **International Warranty Service**[5]
- ➥ **Replacement normally arrives in two business days, excluding holidays**
- ➥ **Lenovo pays all shipping costs for valid warranty claims**[6]
- ➥ **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- ➥ **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

DisplayPort to DisplayPort Monitor Cable	0A36537
Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

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

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced September 13, 2011 or April 16, 2013
US model 4420-MB2 withdrawn effective October 31, 2013

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(LT2452P) January 2014

Lenovo ThinkVision Pro2820 Wide

Name	**Pro2820 Wide Flat Panel Monitor**
Case color	**Black**
Type-model	**60B5RAR6US**
Panel	TFT-LCD, with wide viewing angle (WVA) technology, White LED backlight
Viewable image size	**28"** (**711mm**) diagonal
Max view area (W x H)	24.44" x 13.44" (620.9mm x 341.3mm)
Optimum resolution	**1920x1080**
Max pixel rate	205MHz (VGA); 165MHz(DP/ HDMI); 149MHz (MHL)
Frequency	Supports 1920 x 10800 @ 60Hz
Aspect ratio	16:9
Pixel pitch (mm)	0.32 x 0.32mm
Dot/Pixel per Inch	79 dpi
Brightness	300 nits or cd/m² (typical)
Contrast ratio	3000:1 (typical)
Pixel response time	6.5ms
Color gamut	72%
Viewing angle at 10:1 CR	178° horizontal, 178° vertical
Stand	Tilt, swivel, and height adjustable stand
Bezel width	*Sides:* 0.86" (21.85mm)
Dimensions (HxWxD, excluding stand)	17.45" H x 26.21" W x 2.30" D; 443.3mm H x 665.9mm W x 58.2mm D
Dimensions (HxWxD, including stand)	17.45" H x 26.21" W x 11.41" D; 443.3mm H x 665.9mm W x 289.9mm D
Power supply	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)
Weight	17.84 lb; 8.11kg (including stand)
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2014
VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 6.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.2, RoHS, **EPEAT™ Gold rating**, ULE Gold
Preset resolutions	VGA: 640x480, 720x400
	SVGA: 800x600
	XGA: 1024x768, 1024x760
	SXGA: 1280x1024
	WXGA: 1280x720, 1280x800, 1366x768
	WXGA+: 1440x900, 1600x900
	WSXGA+: 1680x1050
	Full HD: 1920x1080
	Others: 1152x864
Presets / user settings	Standard presets: 17; user settings: 17

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

ThinkVision Pro2820 Monitor

Viewing adjustments	*Tilt:* 25° 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 (touch buttons on front) for automatic image setup, input switch, and brightness
USB hub	USB Hub: one USB 3.0 upstream port, four USB 3.0 downstream ports
Multimedia	None
Camera	None
Multiple input	Support VGA, HDMI, DisplayPort, MHL connections (Mobile High-definition Link)
Monitor connectors	(1) VGA 15-pin D-shell, analog
	(2) HDMI (1.4), digital, **HDCP-compliant**
	(3) DisplayPort (1.2), digital, **HDCP-compliant**
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 meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter 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	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**

Name	**Pro2840m Wide Flat Panel Monitor**
Case color	**Black**
Type-model	**60B4RAR6US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**28"** (**711mm**) diagonal
Max view area (W x H)	24.44" x 13.44" (620.9mm x 341.3mm)
Optimum resolution	**3840x2160**
Max pixel rate	300MHz (HDMI); 594MHz(DP); 149MHz (MHL)
Frequency	Supports 3840 x 2160 @ 60Hz
Aspect ratio	16:9
Pixel pitch (mm)	0.16 x 0.16mm
Dot/Pixel per Inch	157 dpi
Brightness	270 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms
Color gamut	72%
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Tilt, swivel, and height adjustable stand
Bezel width	*Sides:* 0.86" (21.85mm)
Dimensions (HxWxD, excluding stand)	17.45" H x 26.21" W x 2.30" D; 443.3mm H x 665.9mm W x 58.2mm D
Dimensions (HxWxD, including stand)	17.45" H x 26.21" W x 11.40" D; 443.3mm H x 665.9mm W x 289.9mm D
Power supply	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)
Weight	22.47 lb; 10.19kg (including stand)
Limited warranty[4]	**3 year** (includes backlight)
Available date	May 2014

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 6.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.2, RoHS, **EPEAT™ Gold rating**, ULE Gold

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

Viewing adjustments	*Tilt:* 25° 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 (touch buttons on front) for automatic image setup, input switch, and brightness
USB hub	USB Hub: 3 USB 3.0, 2 USB 2.0
Multimedia	Integrated stereo speakers (3 watts x 2)
Camera	None
Multiple input	Support HDMI, DisplayPort, mini DisplayPort, MHL connections (Mobile High-definition Link)
Monitor connectors	(1) HDMI (1.4), digital, **HDCP-compliant** (2) DisplayPort (1.2), digital, **HDCP-compliant** (3) mini DisplayPort (1.2), digital, **HDCP-compliant**
Signal cables	(1) detachable, HDMI at each end, digital, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, detachable stand, Quick start and safety poster, 1.8 meter DisplayPort cable, 1.8 meter HDMI cable, 1.8 meter USB 3.0 cable, 1.8 meter USB 2.0 cable, 1.8 meter black power cord

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

ThinkVision Pro2840m Monitor

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**

Name	**ThinkVision 28 Wide Flat Panel Monitor**
Case color	**Black with Silver bezel**
Type-model	**60B6GAR1US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**28"** (**711mm**) diagonal
Max view area (W x H)	24.44" x 13.44" (620.9mm x 341.3mm)
Optimum resolution	**3840x2160**
Max pixel rate	297MHz (HDMI); 594MHz(DP)
Touch	Supports 10-point touch
Aspect ratio	16:9
Pixel pitch (mm)	0.16 x 0.16mm
Dot/Pixel per Inch	157 dpi
Brightness	300 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms
Color gamut	72%
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Multi-mode stand (standard, inclined, and flat)
Bezel width	*Top:* 1.20" (30.5mm)
	Bottom: 1.98" (50.3mm)
	Sides: 1.16" (29.5mm)
Dimensions (HxWxD, excluding stand)	16.7" H x 26.85" W x 1.48" D; 424.1mm H x 681.9mm W x 37.6mm D
Dimensions (HxWxD, including stand)	19.8" H x 26.85" W x 10.22" D; 502.8mm H x 681.9mm W x 259.5mm D
Power supply	55 watts typical, 90 watts maximum, <10 watts sleep/off; <0.5 watts switch off 90W external brick-like power supply
Weight	24.2 lb; 11.0kg (including stand)
Limited warranty[4]	**1 year** (includes backlight)
Announce date	September 2014

Smart Mode

Platform	nVidia Tegra K1 System-on chip
Preload	Android 4.4 Operating system
Display RAM	2GB DDR3L memery
Storage	32GB eMMC storage
Card slot	One MicroSD Card slot
Wireless	802.11abgn, Bluetooth 4.0
Ethernet	Gigabit Ethernet

Power management	ENERGY STAR® 6.0
Environmental	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
Presets / user settings	Standard presets: 19; user settings: 20

Viewing adjustments	*Tilt:* 90° back, -5° forward; *lift:* 3.07" (78mm);
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (touch buttons on front) for automatic image setup, input switch, and brightness
USB hub	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
Multimedia	Integrated stereo speakers (5 watts x 2), Noise Cancelling array microphone x 2
Audio Jack	Audio Out Jack x 1 for speakers, Audio In/Out Jack x 1 for headsets
Camera	FHD camera with 2.1 MP resolution
Multiple input	Support HDMI, DisplayPort
Monitor connectors	(1) HDMI (1.4) x 3, digital, **HDCP-compliant** (2) DisplayPort (1.2) x 1, digital, **HDCP-compliant**
Signal cables	(1) detachable, HDMI at each end, digital, 1.8 meter
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, detachable stand, Quick start and safety poster, 1.8 meter HDMI cable, 1.8 meter USB 3.0 cable, 1.8 meter external power adapter

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

ThinkVision 28 Monitor

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**

Name	**T2014 Wide Flat Panel Monitor**
Bezel color	**Raven black**
Type-model	**60C2HAR1US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**19.5"** (**495mm**) diagonal
Max view area (W x H)	17.1" x 9.3" (433.9mm x 236.3mm)
Native resolution	**1600x900**
Aspect ratio	16:9
Pixel pitch (mm)	0.2712 x 0.2626 mm
Dot/Pixel per Inch	94.1 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:* 0.78" (19.8mm)
Dimensions (HxWxD)	13.86" H x 18.62" W x 7.47" D; 352.1mm H x 473.0mm W x 189.8mm D
Power supply	20 watts typical, 22 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	5.56 lb; 2.53 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	January 2015

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 2.0, WEEE, RoHS, **EPEAT**™ **Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400
	SVGA: 800x600, 832x624
	XGA: 1024x768, 1152x864
	SXGA: 1280x1024
	WXGA: 1366x768
	WXGA+: 1440x900, 1600x900
Presets / user settings	Standard presets: 24 user settings: 24

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, 100mm x 100mm mount
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

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

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

ThinkVision T2014 Wide Monitor

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

Disclaimer
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PSREF books for the withdrawn systems:
http://www.lenovo.com/psref/psrefs_withdrawn.html

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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Visit **www.lenovo.com/psref** for the latest version of Product Specifications Reference.

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