

Lenovo ThinkVision 27 3D

Immersive experiences in 3D now becomes glasses-free!

Immersion becomes glasses-free

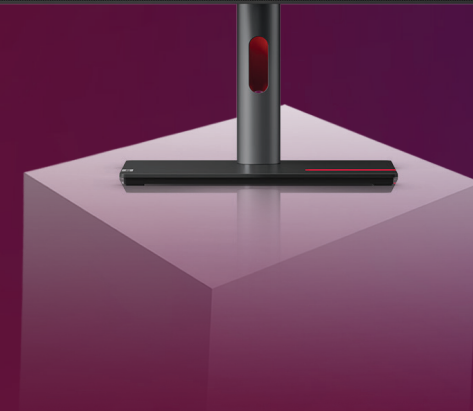
- Relying on glasses for 3D content is a thing of the past with switchable lenticular lens.
- Experience seamless 3D even when moving your head around with real-time eye-tracking.
- View your favorite 3D content in unparalleled clarity without any dips in refresh rate!

Hybrid 2D/3D for hyper creativity

- Seamlessly switch between 2D and 3D content with the monitor's 2D and 3D compatibility.
- Relish sharp and color accurate content with 4K resolution and 99% DCI-P3 and Adobe RGB color space coverage.
- Connect with convenience using single cable USB-C docking* and stack support.

Integrated 3D ecosystem

- Get rid of the hassle of installing apps on the monitor with Lenovo's suite of apps.
- Immersive viewing becomes seamless with software and tools that are tailored for 3D.
- Offload 3D processing to the monitor with the built-in 3D engine to get peak performance from your computer.



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Display

| | |
|---|---|
| Panel Size | 27-inch |
| Screen Dimensions | 608.8 mm x 355.3 mm |
| Panel Type | In-Plane Switching |
| Active Area | 596.7 mm x 335.7 mm |
| Backlight | WLED |
| Aspect Ratio | 16:9 |
| Resolution | 3840 x 2160 |
| Pixel Pitch | 0.155 mm x 0.155 mm |
| Dot/Pixel Per Inch (DPI/PPI) | 163 |
| Viewing Angle (H x V @ CR 10:1) | 178° / 178° |
| Response Time | 4ms (Extreme Mode), 6ms (Normal Mode) |
| Refresh Rate | 60Hz |
| Brightness (Typical) | 310 cd/m ² |
| Contrast Ratio (Typical) | 1200:1 |
| Dynamic Contrast Ratio (Typical) | 3M:1 |
| Color Gamut (Coverage Ratio) | 99% DCI-P3; 99% Adobe RGB; 100% sRGB; 100% BT.709; 83% BT.2020 (CIE 1931) |
| Color Support (Typical) | 16.7 Million |
| Color Depth | 8-bit |
| HDR Compliance | Yes (HDR10 Decoding) |

3D Features

| | |
|--|---|
| 2D/3D Switchable | Yes |
| 3D Resolution | 1920 x 2160 |
| Optimal Viewing Distance | 60 cm - 100 cm |
| Recommended 3D Viewing Distance | 70 cm - 90 cm |
| Optimal Viewing Angle | Horizontal: ± 20° Vertical : ± 20° |
| Number of Viewers | 1 |
| Eye Tracking | Yes |
| Environmental Conditions | 0 lx - 1000 lx |
| Minimal PC Requirements | GPU : NVIDIA® GeForce® GTX 1050 (or AMD, Intel® graphics card with equivalent performance) System : Windows 10 64-bit Memory : DDR5, 8GB Hard Disk : Available Space 50GB CPU : i5 7400/3.00GHz |

Connectivity

| | |
|-----------------------|---|
| Video Signal | USB Type-C ¹ (DP 1.4 Alt Mode, up to 100W) 2 x HDMI 2.1 ² 1 x DP 1.4 |
| Audio Signal | 1 x Audio Out (3.5 mm) |
| USB Hub | Yes |
| Ethernet | Yes (10M/100M/1000M) |
| USB Upstream | 1 x USB 3.2 Gen 1 ³ Type-C ¹ |
| USB Downstream | 4 x USB 3.2 Gen 1 ³ Type-A 1 x USB 3.2 Gen 1 ³ Type-C ¹ (15W) |

Multimedia

| | |
|---------------------------------------|-------------------------------------|
| Integrated Speakers | Yes (2 x 5W) |
| Modular Camera/Speaker Support | Yes (ThinkVision MC60) ⁴ |

Special Features

| | |
|---|---|
| Factory Calibration | Yes (Avg. Delta E<1 for DCI-P3, Adobe RGB, and sRGB) |
| Software | 3D Explorer ⁵ (available from Lenovo Accessories and Display Manager ⁶ - ThinkColour) 3D Master (3D viewing App), Plugins, SDK |
| Third-party Software Support⁷ | Microsoft 365, PTC Creo, Autodesk 3ds Max Autodesk VRED, Lumiscaphe Patchwork 3D, Dassault Systems Deltagen, Unity & C++ (via SDK) |

Power

| | |
|---|---------------------------|
| Power Consumption (Typ. / Max.) | 43.8W / 246.0W |
| Power Consumption Sleep/Off Mode | < 0.5W |
| Power Consumption Switch-off Mode | < 0.3W |
| Power Supply | Internal |
| USB Power Delivery⁸ | Up to 100W |
| USB Type-C¹ (Downstream) Power Delivery⁸ | Up to 15W |
| Smart Power | Yes |
| Voltage Required | AC 100 to 240 V (50-60Hz) |

Mechanical

| | |
|--|-------------------------------------|
| Tilt Angle (Front / Back) | -5° / 23.5° |
| Swivel Angle (Left / Right) | -45° / 45° |
| Lift (Max. Range) | 155 mm |
| Pivot | -90° / 90° |
| VESA Mount Capability | Yes (100 x 100 mm) |
| ThinkCentre M Series Tiny Support | Yes |
| ThinkCentre M Series Nano Support | Yes |
| Kensington Lock Slot | Yes (2.5 mm x 6 mm and 3 mm x 7 mm) |
| Headphone Hook | Yes |
| Cable Management | Yes |
| Bezel Color | Raven Black |
| Bezel Width (Side) | 8.0 mm |
| Bezel Width (Top / Bottom) | 8.0 mm / 44.3 mm |

Dimension

| | |
|---|---|
| Size Packed (D x H x W, mm / inch) | 165.0 x 520.0 x 720.0 mm 6.50 x 20.47 x 28.35 inches |
| Size Unpacked w/ Stand (Highest Position) (D x H x W, mm / inch) | 222.7 x 568.0 x 614.8 mm 8.77 x 22.36 x 24.20 inches |
| Size Unpacked w/ Stand (Lowest Position) (D x H x W, mm / inch) | 222.7 x 413.0 x 614.8 mm 8.77 x 16.26 x 24.20 inches |
| Size Unpacked w/o Stand (Head Only) (D x H x W, mm / inch) | 72.3 x 390.0 x 614.8 mm 2.85 x 15.35 x 24.20 inches |

| | |
|---|--------------------|
| Weight Packed (kg / lb) | 12.4 kg / 27.3 lbs |
| Weight Unpacked (kg / lb) | 8.9 kg / 19.6 lbs |
| Weight (Monitor Head Only) (kg / lb) | 6.6 kg / 14.6 lbs |

What's in the Box

| | |
|-----------------------------------|---|
| Monitor with Stand | Yes |
| Power Cable (Cable Length) | 1 x Power Cable (1.8 m) |
| DP Cable (Cable Length) | 1 x DP Cable (1.8 m) |
| HDMI Cable (Cable Length) | 1 x HDMI Cable (1.8 m) |
| USB Cable (Cable Length) | 1 x USB Type-C ¹ to Type-A Cable (1.8 m) 1 x USB Type-C ¹ to Type-C ¹ Gen 2 Cable (1.5 m) |
| Factory Calibration Report | Yes |
| Quick Setup Guide | Yes |
| Cleaning Cloth | Yes |

Certification

| | |
|--|------------------------|
| CCC | Yes |
| Volatile Organic Compound Certification | Yes |
| RoHS (2011/65/EU) | Yes |
| Windows Certification | Windows 10, Windows 11 |
| EU Energy Level Certification | Exempt (Level: G) |
| China Energy Efficiency Standard | Tier 1 |
| TÜV Rheinland Eye Comfort | Yes |



¹ USB Type-C¹ and USB-C¹ are registered trademarks of USB Implementers Forum. | ² Supports 4K @ 60Hz as specified in HDMI 2.1. | ³ Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: 5 Gbit/s for USB 3.2 Gen 1; 10 Gbit/s for USB 3.2 Gen 2 & 20 Gbit/s for USB 3.2 Gen 2x2. | ⁴ Sold separately. | ⁵ Must be installed on the PC connected to the monitor. This software can only be used with Windows 10 and Windows 11. | ⁶ Supports Windows 10 & 11, Mac OS, Windows On Arm (functions vary across systems). | ⁷ Selected third-party products are listed. Compatibility is tested on limited versions/models only. Compatible product list is subject to change without notice. 3D monitor is developed to be compatible with and should be used with fully licensed specific versions of third-party software only. Lenovo makes no representation or warranty, and assumes no responsibility with regard to, the selection, performance, or use of third-party products or services that are licensed/provided by third parties under their own terms and conditions and may be subject to license fees and/or other costs. | ⁸ Listed as maximum capacity of power delivery. Actual capacity of power delivery may vary depending upon devices connected or monitor configuration, and may decline with downstream USB ports connected or higher brightness setting.

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Specifications may vary depending upon region.