

Lenovo ThinkVision 27 3D Monitor

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

- Always stay at the cutting edge of 3D workflows with Lenovo's suite of continuously developed and upgraded apps.
- Enjoy a rich and smooth user experience while using our host of 3D tools and softwares, all designed to provide great 3D viewing pleasure.
- Offload 3D processing to the monitor with the built-in 3D engine to get peak performance from your computer.



* Utilize our stack support to easily add Lenovo's Webcam and Soundbar. Sold separately.

Lenovo ThinkVision 27 3D Monitor

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/m²

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 Requirements¹
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-C² (DP 1.4 Alt Mode, up to 100W)
2 x HDMI 2.1³
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 1⁴ Type-C

USB Downstream
4 x USB 3.2 Gen 1 Type-A
1 x USB 3.2 Gen 1 Type-C (15W)

Multimedia

Integrated Speakers
Yes (2 x 5W)

Modular Camera/Speaker Support
Yes (ThinkVision MC60)⁵

Special Features

Factory Calibration
Yes (Avg. Delta E<1 for DCI-P3,
Adobe RGB, and sRGB)

Software
3D Explorer⁶ (available from Lenovo
Accessories and Display Manager⁷ -
ThinkColour)
3D Master (3D viewing App),
Design Engine, 2D-to-3D Converter,
Plugins, SDK

Third-party Software Support⁸
Microsoft 365, PTC Creo,
Autodesk 3ds Max, Autodesk VRED,
Autodesk Maya, Trimble SketchUp Pro,
Blender, Lumiscaphe Patchwork 3D,
Dassault Systems Deltagen, Rhino,
SolidWorks, Catia, AutoCAD, Vectorworks,
DAZStudio, Houdini, Inventor, Revit, UGNX,
SolidEdge, Cinema 4D, Fusion 360,
Unity, C++ & Unreal (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 Delivery⁹
Up to 100W

USB Type-C (Downstream)
Power Delivery
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 to Type-A Cable
(1.8 m)
1 x USB Type-C to Type-C 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 RTX2080 and above; Graphic card driver newer than version 527.41; O/S: Windows 10, version 1803 (10.0.17134.0) and above. | ² USB Type-C* and USB-C* are registered trademarks of USB Implementers Forum. | ³ Supports 4K @ 60Hz as specified in HDMI 2.1. | ⁴ 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. | ⁵ Sold separately. | ⁶ Must be installed on the PC connected to the monitor. This software can only be used with Windows 10 and Windows 11. | ⁷ Supports Windows 10 & 11, Mac OS, Windows On Arm (functions vary across systems). | ⁸ 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. | ⁹ 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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