

ThinkVision P27u-20

DISPLAY

Panel Size
27-inch

Screen Dimensions (W x H, mm)
608.8 mm x 355.3 mm

Panel Type
3-side NearEdgeless
In-Plane Switching

Active Area
596.7 mm x 335.7 mm

Backlight
WLED

Aspect Ratio
16:9

Resolution
3840 x 2160

Pixel Pitch
0.1554 mm x 0.1554 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)
400 cd/m²

Brightness (Peak)
450 cd/m²

Contrast Ratio (Typical)
1000:1

Dynamic Contrast Ratio (Typical)
3M:1

Color Gamut (Coverage Ratio)
99.5% Adobe RGB (CIE 1931)
99.1% DCI-P3 (CIE 1976)
100% sRGB (CIE 1976)
100% BT.709 (CIE 1976)
83.7% BT.2020 (CIE 1976)

Color Support (Typical)
1.07 Billion

Color Depth
10-bit (8+FRC)

HDR Compliance
Yes (DisplayHDR™ 400)

Anti-glare
Yes

CONNECTIVITY

Video Signal
1 x Thunderbolt™ 4 In
1 x Thunderbolt™ 4 Out
2 x HDMI 2.1¹
1 x DP 1.2

Audio Signal
1 x Audio Out (3.5 mm)

USB Hub
Yes

Ethernet
Yes (10M/100M/1000M)

USB Upstream
2 x USB3.2 Gen1² (1 by USB Type-B,
1 by Thunderbolt™ 4)

USB Downstream
3 x USB3.1 Gen1²
1 x USB Type-C³ (Data & Power Delivery)

MULTIMEDIA

Integrated Speakers
Yes (2 x 3W)

Optional Soundbar Support
Yes (PN: 0A36190)

Optional Modular Camera Support
Yes, MC50⁴ (PN: 4XC1D66056)

SPECIAL FEATURES

Factory Calibration
Yes (Avg. Delta E<1)

KVM Switch
Yes

Software

Lenovo ThinkColour
(Lenovo Display Control Center)⁵

Smart Sensor
Yes (Smart Light)

Others
Shading Hood Support⁶

POWER

Power Consumption (Typ. / Max.)
35W / 240W

Power Consumption Sleep/Off Mode
<0.5W

Power Consumption Switch-off Mode
<0.3W

ENERGY STAR Power Consumption (Pon/ETEC)
26W / 97kWh

Power Supply
Internal

USB Type-C Power Delivery (W)
Up to 27W⁷

TBT Power Delivery (W)
Yes (Up to 100W)

Smart Power
Yes

Voltage Required
AC 100 to 240 V (50-60 Hz)

MECHANICAL

Tilt Angle (Front / Back)
-5° / 35°

Swivel Angle (Left / Right)
-45° / 45°

Lift (Max. Range)
135 mm

Pivot
-90° / 90°

VESA Mount Capability
Yes (100 x 100 mm)

ThinkCentre M Series Tiny Support

Yes, by Tiny Monitor Clamp II
(PN: 4XH0Z42451)⁶ & Tiny VESA
Mount II (PN: 4XFON03161)⁶

ThinkCentre M Series Nano Support

Yes, by Nano Monitor Clamp II
(PN: 4XH0Z42451)⁶ & Nano VESA
Mount (PN: 4XFOV81630)⁶

Kensington Lock Slot
Yes

Cable Management
Yes

Bezel Color
Raven Black

Bezel Width (Side)
2.0 mm

Bezel Width (Top / Bottom)
2.0 / 23.6 mm

DIMENSIONS

Size Packed (D x H x W) (mm/inch)
187.0 x 510.0 x 732.0 mm
7.36 x 20.08 x 28.82 inches

Size Unpacked w/ Stand (D x H x W) (mm/inch) (Lowest Position)
219.9 x 421.4 x 613.8 mm
8.66 x 16.59 x 24.16 inches

Size Unpacked w/ Stand (D x H x W) (mm/inch) (Highest Position)
219.9 x 556.4 x 613.8 mm
8.66 x 21.90 x 24.16 inches

Size Unpacked w/o Stand (Head Only) (D x H x W) (mm/inch)
52.9 x 368.8 x 613.8 mm
2.08 x 14.52 x 24.16 inches

Weight Packed (kg / lbs.)
12.8 kg / 28.1 lbs.

Weight Unpacked (kg / lbs.)
8.0 kg / 17.6 lbs.

Weight (Monitor Head Only) (kg / lbs.)
5.4 kg / 11.9 lbs.

WHAT'S IN THE BOX

Monitor with stand
1 x Power cable (1.8m)
1 x DP cable (1.8m) for US & Canada only^a
1 x HDMI cable (1.8m) for PRC SA only^a
1 x USB Type-B to Type-A cable (1.8m)^a
1 x Thunderbolt™ 4 cable (1.0m, 40 Gbps)
Factory calibration report
Quick setup guide

CERTIFICATION

ENERGY STAR Certification
Yes

CCC
Yes

TCO
9.0

EPEAT
Gold

RoHS (2011/65/EU)
Yes

Windows Certification
Windows 7, Windows 10

China Energy Efficiency Standard
Tier 1

TÜV Rheinland Eye Comfort
Yes



¹ Supports 3840 x 2160 @ 60Hz as specified in HDMI 2.1. | ² 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. | ³ USB Type-C and USB-C are registered trademarks of USB Implementers Forum. | ⁴ ThinkVision MC50 Monitor Webcam. | ⁵ This software can only be used with Windows 10. | ⁶ To be ordered optionally with the monitor. | ⁷ 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. | ^a Optional.