

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
60 Hz

Brightness (Typical)
400 cd/m²

Brightness (Peak)
450 cd/m²

Contrast Ratio (Typical)
1000:1

Dynamic Contrast Ratio (Typical)
3M:1

Color Gamut
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 2.0
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 Gen1¹ (1 by USB Type-B,
1 by Thunderbolt™ 4)

USB Downstream
3 x USB3.2 Gen1¹ (1 x BC1.2)
1 x USB Type-C (Data & Power Delivery)

MULTI-MEDIA

Integrated Speakers
Yes (2 x 3W)

Optional Soundbar Support
Yes (PN number: OA36190)

SPECIAL FEATURES

Factory Calibration
Yes (Avg. Delta E<1)

KVM Switch
Yes

Software
Lenovo ThinkColour (Lenovo Display
Control Center)²

Smart Sensor
Yes (Smart Light)

Others
Headset Rack
Shading Hood³

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 27W⁴

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: 4XHOZ42451)³ & Tiny VESA
Mount II (PN: 4XFON03161)³

ThinkCentre M Series Nano Support
Yes, by Nano Monitor Clamp II
(PN: 4XHOZ42451)³ & Nano VESA
Mount (PN: 4XFOV81630)³

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.)
5.5 kg / 12.0 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
1 x USB Type-C to Type-A cable (1.8m)
1 x Thunderbolt™ 4 cable (1.0m, 40 Gbps)
Factory calibration report
Quick setup guide

CERTIFICATION

ENERGY STAR Certification
Yes

CCC
Yes

TCO
8.0

TCO Edge
2.0

EPEAT
Gold

RoHS (EU 2011/65/EU)
Yes

Windows Certification
Windows 7, Windows 10

China Energy Efficiency Standard
Tier 1

TÜV Rheinland Eye Comfort
Yes



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¹ 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 Gen2x2.

² This software can only be used with Windows 10.

³ Sold separately.

⁴ 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.