

# 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/m<sup>2</sup>

**Brightness (Peak)**  
450 cd/m<sup>2</sup>

**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 Gen1<sup>1</sup> (1 by USB Type-B,  
1 by Thunderbolt™ 4)

**USB Downstream**  
3 x USB3.1 Gen1<sup>1</sup>  
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)<sup>2</sup>

**Smart Sensor**  
Yes (Smart Light)

**Others**  
Shading Hood Support<sup>3</sup>

## 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 27W<sup>4</sup>

**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)<sup>3</sup> & Tiny VESA  
Mount II (PN: 4XFON03161)<sup>3</sup>

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

**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<sup>5</sup>  
1 x HDMI cable (1.8m) for PRC SA only<sup>5</sup>  
1 x USB Type-B to Type-A cable (1.8m)<sup>5</sup>  
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



<sup>1</sup> 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.

<sup>2</sup> This software can only be used with Windows 10.

<sup>3</sup> To be ordered optionally with the monitor.

<sup>4</sup> 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.

<sup>5</sup> Optional.