

# ThinkVision P27u-20

## FOR CONTENT CREATORS WHO NEED EXCELLENT COLOR PERFORMANCE.

If you are a photographer, a video editor, a graphic designer or a professional who doesn't like compromises, it's time you met ThinkVision P27u-20. A versatile 27-inch monitor, this is a fantastic package that gives you everything you want. The P27u-20 comes with a 3840 x 2160 UHD screen that delivers outstanding image quality and clarity. Its wide IPS screen offers enhanced viewing angles, an excellent contrast ratio. Further, this monitor has a unique pre-calibrated accuracy, a dual wide color gamut (99.1% DCI-P3 and 99.5% Adobe RGB), and a VESA DisplayHDR™ 400 support to provide a realistic visual experience for designers, graphics creators, photographers and pro users. Made for modern times, the P27u-20 is designed to help you connect, collaborate and manage your work remarkable efficiency. This monitor comes with an uncompromised Thunderbolt™ 4 solution that professionals will love. The P27u-20 offers 4K resolution with 1 Gbps Ethernet speed and USB3.2 Gen1\*. Experience blazing speeds of up to 40 Gbps and industry-leading Thunderbolt™ 4 ports - 4 inputs and 4 outputs for superb multi-screen connectivity. It also offers up to 100W power delivery, KVM, a USB Hub with 5 Gbps USB data and USB-C 27W for power charging that help boost productivity. This monitor comes with top-of-the-line 2 x 3W built-in speakers for an immersive user-experience. ThinkVision P27u-20. A monitor for professionals who make no compromises.

### FEATURES OF THINKVISION P27u-20 MONITOR



#### Astounding clarity & versatility

The versatile P27u-20 monitor delivers a brilliant, consistent performance across a range of creative areas. This pre-calibrated monitor offers DCI-P3 & HDR 4K resolution for stunning UHD performance. It comes with an IPS screen that offers excellent 178° viewing angles and a dual wide color gamut (99.1% DCI-P3 and 99.5% Adobe RGB) to satisfy both video and graphic content creators. Its VESA DisplayHDR™ 400 offers superb realistic brightness and darkness.



#### Connect, Collaborate, Manage

The P27u-20 comes with industry-leading Thunderbolt™ 4 solution. This is a brilliant 'one cable' solution that includes Thunderbolt™ 4 input and Thunderbolt™ 4 output ports for multi-screen connectivity. With 1 Gbps Ethernet speed and 5 Gbps USB data support at the same time, this monitor is big on productivity, connectivity and collaborations. The P27u-20 monitor supports 1 Gbps Ethernet speed and USB3.2 Gen1\* and works well as a Thunderbolt™ 4 hub for multiple devices. It supports MAPT, PXE, WOL, vPro and ThinkColor Software. This monitor also features a USB-C 27W port for power charging so you can stay connected effortlessly.



#### Eco-friendly & excellent ergonomics

The P27u-20 has an ENERGY STAR rating of 8, ErP Lot 5 which makes it one of the most eco-friendly monitors in the category. The Smart Light function automatically adjusts brightness for better viewing experience. Relentless seekers of perfection will appreciate its full-function stand with a range of lift, tilt, and swivel adjustment options which augments both comfort and productivity.

\* 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.

# 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: 0A36190)

## 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<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: 4XH0Z42451)<sup>3</sup> & Tiny VESA Mount II (PN: 4XFON03161)<sup>3</sup>

## ThinkCentre M Series Nano Support

Yes, by Nano Monitor Clamp II (PN: 4XH0Z42451)<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 (EU 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 Gen2x2.

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

<sup>3</sup> Sold separately.

<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.