

ThinkVision P40w

BE WIDE OPEN TO SUCCESS.



World's first Thunderbolt™ 4 professional monitor to support Intel® Active Management Technology for Intel vPro® clients.

Seamless productivity requires a seamless overview of your business. ThinkVision P40w-20 gives you exactly that with a host of industry-leading features. Its sweeping 39.7-inch, 21:9 screen features expansive 5120 x 2160 WUHD resolution that lets you see every sharp detail while taking in the big picture, whether it's tracking market updates or comparing long-form legal contracts. Depend on consistent, reliable, true-to-life colors from any viewing angle thanks to its In-Plane Switching panel professional display that reproduces color to 98% DCI-P3 and has factory calibrated color with $\Delta E < 2$ variance. These colors stay true with Natural Low Blue Light technology that reduces eye fatigue caused by high-energy blue rays, to help you work comfortably.

Don't just manage - master every element of your operations from the monitor. The first of several Lenovo patents in this model, the eKVM function* lets you control two sources with a single monitor, keyboard and mouse. And instantly and effortlessly switch controls from one to the other using that same keyboard, mouse or a button on the monitor. While, with Lenovo-patented True Split⁵, you can view those two sources side-by-side on the same screen, for unparalleled multi-tasking efficiency. You can even share your screen, or, with PBP, share just the half you want to.

Speed, power and simplicity combine through industry-leading Thunderbolt™ 4 connectivity, the model compliance with the industry-leading USB4 technology giving you up to 40 Gbps of data and video transfer together with power and network connectivity between your connected devices - even with non-Lenovo brand devices - all through a single Thunderbolt™ 4 cable. And with a Thunderbolt™ 4 downstream port, you can also daisy chain a second monitor to improve your efficiency by an order of magnitude. So much more than just a screen, P40w-20 sports a built-in RJ45 jack that makes leaps in managing your fleet as it supports Wake-on-LAN (S3/S4/S5), PXE Boot and MAC address pass-through to transfer and securely maintain your network to up to two connected sources simultaneously in yet another Lenovo patented feature. And the status of that internet connection is always clearly visible onscreen through a first-in-market LAN on ThinkColour®. It's also the world's first professional monitor to support Intel® Active Management Technology for Intel vPro® clients to control deployment over a network with improved stability through the same RJ45 jack and even allow you to remote reboot a connected PC if it crashes. One last feature that streamlines your workflow: the monitor's Audio Smart Switch that detects when audio devices are connected through the Audio Jack and automatically makes that connection active so you don't have to fiddle around and waste precious seconds.

Lenovo



FEATURES OF THINKVISION P40w-20



Big on multitasking. Great at detail.

The bigger picture offers impressive views with sharp, striking detail. The eye-catching 21:9 aspect ratio lets you multitask with ease without bezels getting in the way. The 39.7-inch, 5120 x 2160 WUHD resolution professional display is splendid in both style and visual impact. 2500R curvature wraps around you, filling more of your field of view to remove distractions and let you immerse yourself in the latest market movements. Colors look how they should. 98% DCI-P3 color gamut, 1.07 billion color depth and 99% sRGB performance is factory-calibrated at $\Delta E < 2$. Even at wide angles the In-Plane Switching panel technology gives you faultless images with no color distortion. Don't waste time manually switching audio source input. With an industry-first feature, P40w-20 automatically detects new devices connected to the Audio Jack and automatically selects that source through Audio Smart Switch. Keep up with the markets across the world without suffering eye fatigue thanks to Natural Low Blue Light technology that reduces harmful high-energy blue rays while preserving the natural hues of colors.



One hub to master your workflow

With up to a total of 12 ports, including two Thunderbolt™ 4 and one USB Type-C² ports, P40w-20 is the ideal hub to connect and power whatever mission-critical devices you need with ease. Connect and control your devices and your workflow. Lenovo patented eKVM gives you instant access over two PC sources with a 2-button click of your mouse. And no need to install a driver. True Split⁵, another Lenovo patent, lets you view 2 sources simultaneously through PBP with just 1 cable then choose which source input you want others to see when you're sharing in a video conference, while you keep working privately on the other side of the screen. Equipped with industry-leading Thunderbolt™ 4, P40w-20 compliance with advanced USB4 technology can deliver up to 40 Gbps of data plus video, network communications and deliver up to 100W³ through Smart Power technology, all through a single Thunderbolt™ 4 cable solution. And with a second, rear-mounted Thunderbolt™ 4 downstream port, you can daisy chain a second monitor in either 5K or 2K at up to 75 Hz for an extreme around wrap view of your entire business operations as it changes second by second. P40w-20 uses ThinkVision's proprietary ThinkColour[®] software to boost your productivity by letting you switch instantly between color gamut modes, brightness, contrast and more, depending on your mission needs, with a simple click of the mouse controlling the OSD.



Secure network deployment

P40w-20 is the first wave Intel® AMT Capable Thunderbolt™ 4 monitor. With Intel® Active Management Technology, whether you're working from home or your global headquarters is running security patches in your office, through its Gigabit RJ45 port, the monitor enables a stable, secure connection. And it's always easy to see the status of connection right on the screen with another industry-first: LAN on ThinkColour®. Managing your computer fleet is efficient and convenient, even for users working from home, as the monitor supports: MAC address pass-through, PXE boot, Wake-on-LAN power modes: S3 (Sleep mode), S4 (Hibernate) and S5 (PC power off, monitor standby). And, as well as securing your network, with EPEAT Gold-level certification, and the paper green package, this professional monitor also works responsibly to reduce impact on the environment.

ThinkVision P40w-20

DISPLAY

Panel Size

39.7-inch

Screen Dimensions

942.6 mm x 414.6 mm

Panel Type

3-side NearEdgeless
In-Plane Switching

Active Area

929.3 mm x 392 mm

Curvature

2500R

Backlight

WLED

Aspect Ratio

21:9

Resolution

5120 x 2160

Pixel Pitch

0.1815 x 0.1815 mm

Dot/Pixel Per Inch (DPI/PPI)

140

Viewing Angle (H x V @ CR 10:1)

178° / 178°

Response Time

4ms (Extreme Mode),
6ms (Normal Mode)

Refresh Rate

75 Hz⁶

Brightness (Typical)

300 cd/m²

Contrast Ratio (Typical)

1000:1

Dynamic Contrast Ratio (Typical)

3M:1

Color Gamut

99% sRGB, 98% DCI-P3

Color Support (Typical)

1.07 Billion

Color Depth

10-bit

HDR Compliance

Yes⁴

Anti-glare

Yes

SPECIAL FEATURES

Factory Calibration

Yes (Avg. Delta E<2)

Software

Lenovo ThinkColour (Lenovo
Display Control Center)¹

PIP/PBP

Yes

KVM Switch

Yes

CONNECTIVITY

Video Signal

2 x Thunderbolt™ 4

1 x HDMI 2.0

1 x DP 1.4

Audio Signal

1 x Audio Out (3.5 mm)

Ethernet

Yes (10M/100M/1000M)

USB Hub

Yes

USB Upstream

1 x USB 3.2 Gen 1⁸

(1 by USB Type-B)

1 x Thunderbolt™ 4

USB Downstream

4 x USB 3.2 Gen 1 Type-A⁸

1 x USB 3.2 Gen 1 Type-C⁸

1 x Thunderbolt™ 4

POWER

Power Consumption

(Typical / Max.)

66W / 250W

Power Consumption

Sleep/Off Mode

<0.5W

Power Consumption

Switch-Off Mode

<0.3W

ENERGY STAR Power

Consumption (P_{on}/E_{TEC})

53W/168kWh

Power Supply

Internal

USB Type-C Power Delivery(W)

up to 27W³

TBT Power Delivery (W)

Yes (Up to 100W³)

Smart Power

Yes

Voltage Required

AC 100 to 240 V

(50–60 Hz)

MECHANICAL

Tilt Angle (Front / Back)

-5°/ 22°

Swivel Angle (Left / Right)

-45°/ 45°

Lift (Max. Range)

130 mm

VESA Mount Capability

Yes (100 x 100 mm &

200 x 100 mm)

Kensington Lock Slot

Yes

Cable Management

Yes

Bezel Color

Raven Black

Bezel Width (Side)

2.0 mm

Bezel Width (Top / Bottom)

2.0 / 23.0 mm

DIMENSIONS

Size Packed (D x H x W, mm/inch)

275.0 x 526.0 x 1085.0 mm

10.82 x 20.70 x 42.71 inches

Size Unpacked w/ Stand

(D x H x W, mm/inch)

(Lowest Position)

279.4 x 511.2 x 947.6 mm

11.00 x 20.12 x 37.30 inches

Size Unpacked w/ Stand

(D x H x W, mm/inch)

(Highest Position)

279.4 x 641.2 x 947.6 mm

11.00 x 25.24 x 37.30 inches

Size Unpacked w/o Stand

(Head Only) (D x H x W, mm/inch)

100.8 x 428.7 x 947.6 mm

3.96 x 16.88 x 37.30 inches

Weight Packed (kg / lbs.)

20.0 kg / 44.1 lbs.

Weight Unpacked (kg / lbs.)

14.6 kg / 32.2 lbs.

Weight (Monitor Head Only)

(kg / lbs.)

9.9 kg / 21.9 lbs.

WHAT'S IN THE BOX

Monitor with stand

1 x Power cable (1.8 m)

1 x Thunderbolt™ 4 cable (40 Gbps)

Quick setup guide

Factory calibration report

CERTIFICATION

ENERGY STAR Certification

Yes

CCC

Yes

TCO

8.0

TCO Edge

2.0

EPEAT

Gold

RoHS (EU 2011/65/EC)

Yes

Windows Certification

Windows 10

China Energy Efficiency Standard

Tier 2

TÜV Rheinland Eye Comfort

Yes

TÜV Rheinland Low Blue Light

Yes

TÜV Rheinland Flicker Free

Yes

TÜV Low Blue Light

(Hardware Solution)

Yes

Eyesafe Display Certification

Yes



¹This software can only be used with Windows 10. ²USB Type-C and USB-C are registered trademarks of USB Implementers Forum. ³Listed 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. ⁴HDR10 only. ⁵True Split is available with Thunderbolt™ or DisplayPort™ connection in Windows only. ⁶Thunderbolt™ and DisplayPort™ only. ⁷eKVM functionality may vary if using a different brand of mouse. ⁸Depending 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.

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