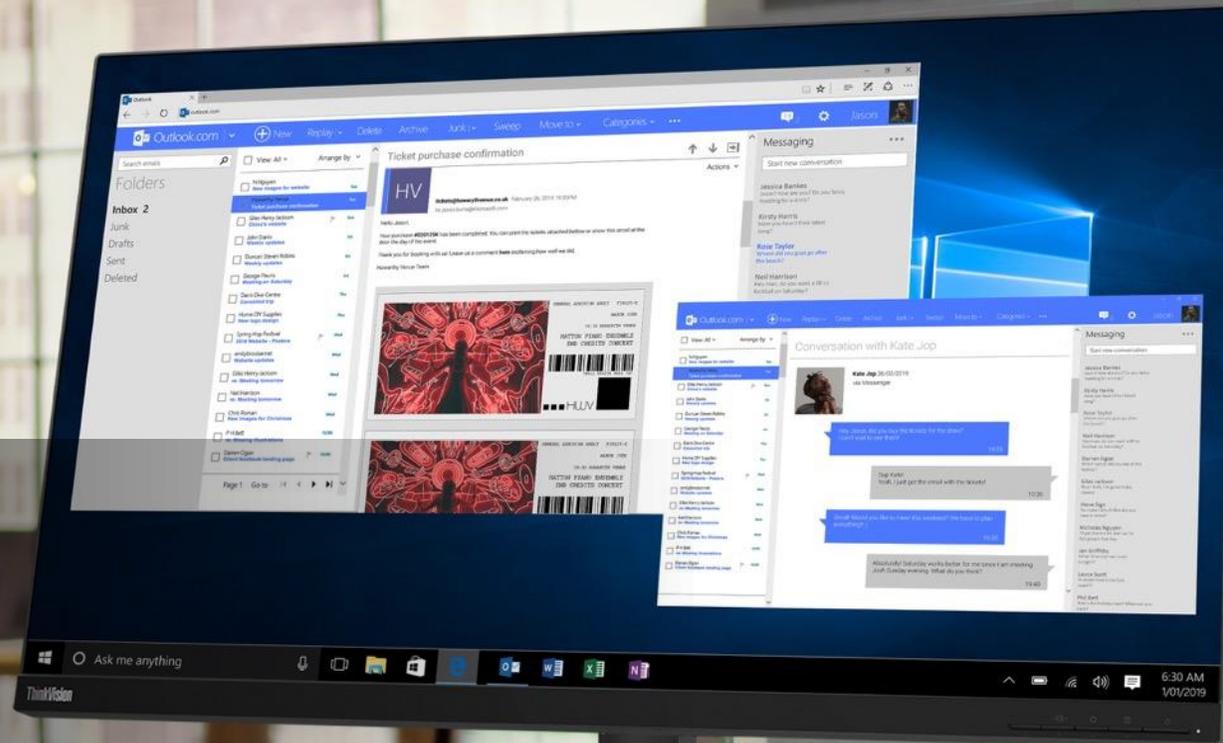


# ThinkVision

HOW-TO-SELL GUIDE

## THINKVISION P SERIES

Enhancing Employee Experience with  
Premium Smarter Display Solutions  
for **Modern Professionals**



Lenovo

# THE CHANGING LANDSCAPE AND THE MODERN WORKFORCE

The whole world is changing. Almost everything we know about work and what we held to be covenant has been replaced abruptly and permanently. The old ways of working have been proven to be replaceable with a loose, decentralized, and even more productive system.

Fluidity is here to stay and there is no point in trying to stick to a rigid 9 to 5 system and this includes the often-time-consuming commute to and from work. Fluid working also greatly reduces this time wasted and makes it possible to be productive, when working, regardless the location.

Workplace demographics and the way people approach work is also changing, so technology should naturally fit this new fluidity.

## Top Tip from ThinkVision:

Employers and business owners want to offer better experiences at work, but it cannot be just surface-level. Adding a rec room with a foosball table and beanbags is not the answer.

**Changes need to positively affect the very nature of how work is done.**

<sup>1</sup><https://www.iwgplc.com/global-workspace-survey-2019>

<sup>2</sup><https://www.inc.com/peter-economy/the-millennial-workplace-of-future-is-almost-here-these-3-things-are-about-to-change-big-time.html>



80%

will turn down a new job offer<sup>1</sup> if there is no space for **flexible working**



Flexible workplaces<sup>2</sup> can experience up to

85%

**increase in business productivity**

# THE CHANGING LANDSCAPE AND THE **MODERN WORKFORCE**

The current global workforce is perhaps one of the most generationally diverse ever. Most workplaces now have people who started before technology became commonplace, a generation that grew up with technology, and one born into a world run on advanced tech.

All three groups rely on technology in their everyday lives, and it is only natural that they **expect the same from their workplace**. Flexible working, collaboration, and remote working come naturally to them, so employers have no choice but to offer these at work.

Flexibility is so important that nearly half of workforce<sup>1</sup> is willing to forgo “corner office” promotions for it.

**Top Tip from ThinkVision:**  
Empowering your employees to work from anywhere and in a flexible manner also has the added advantage of **keeping your business highly productive and agile.**

<sup>1</sup><https://hbr.org/2016/05/what-millennials-want-from-a-new-job>

<sup>2</sup>“Technology and the Evolving World of Work” - Lenovo Global IP Research Study, June 2020

Why the modern workforce prefers<sup>2</sup> flexible working:



**48%**  
save money on  
work-related expenses



**46%**  
enjoy skipping  
the commute



**44%**  
like the flexibility  
in personal life

# HOW TO ENGAGE THE MODERN WORKFORCE?

How then can you as an employer offer the best experiences and empower flexible working?

It is possible to achieve great Employee Experience (EX) with the right tools; ones that match employees' professional needs. Monitors is one such tool that can make a lot of difference in work output.

You can make significant improvements in EX with the right monitors that cater to your workforce's main asks. A person in a clerical role will not have the asks from a monitor as a graphic designer; **being aware of these requirements allows you to make the right decisions.**

ThinkVision

There is a wide-spread need to upgrade and re-invest in the latest in display technology

Outdated monitors are unlikely to be color-accurate, can strain the eyes, not have ergonomics, and not have modern connectivity options. All of which are good reasons to take that step and upgrade.

ThinkVision monitors are more than just an interface between user and computer. They are built with advanced technology, top-of-the-line panels, and a design philosophy that puts people first. They can also be the hub of your desktop and take both employee experience and business agility to the next level.



# CHALLENGES IN THE MODERN WORKPLACE

The change in workplace is already here and it behooves businesses to get on track. The first step is understanding what the end users, your employees, want based on their job roles.

Here are some of the pain points that need to be addressed in terms of monitors that users experience with their current setup. All of them are solvable and assure higher EX when they are.

60% 

employees are not satisfied with their experiences at work<sup>1</sup>

<sup>1</sup>Lenovo SMB Study commissioned with Forrester Research - July 2019



## Obstacles to flexible working employees face with monitors everyday



Unsecured networks, vulnerable WiFi and slow connections



Complex set up processes require professional tech support



Low-res screens, not color accurate, and outdated panel tech



Messy desks, too many cables connecting peripherals



High energy consumption, not environmentally responsible



Bulky monitors take up too much desk space



Unable to effectively multitask or extend screens



Eye and physical strain is high, considering time spent in front of monitors



Difficult color calibration settings through OSD

# WHY THINKVISION P SERIES MONITORS: WHAT WE OFFER



## Maximized ease of use, connectivity and productivity



Clutter-free desktop hub



Secure network access



Simplified screen extensions

## Supports easy flexible working and has a modern design aesthetic



Modern aesthetic design



Easy tool-less setup

## Made for the modern professional



Exceptional color and  
display performance

## Responsible and sustainable tech



Intelligent power management



Healthy work environment

## Software-based advanced display settings



Easy and customizable  
display management

# 01

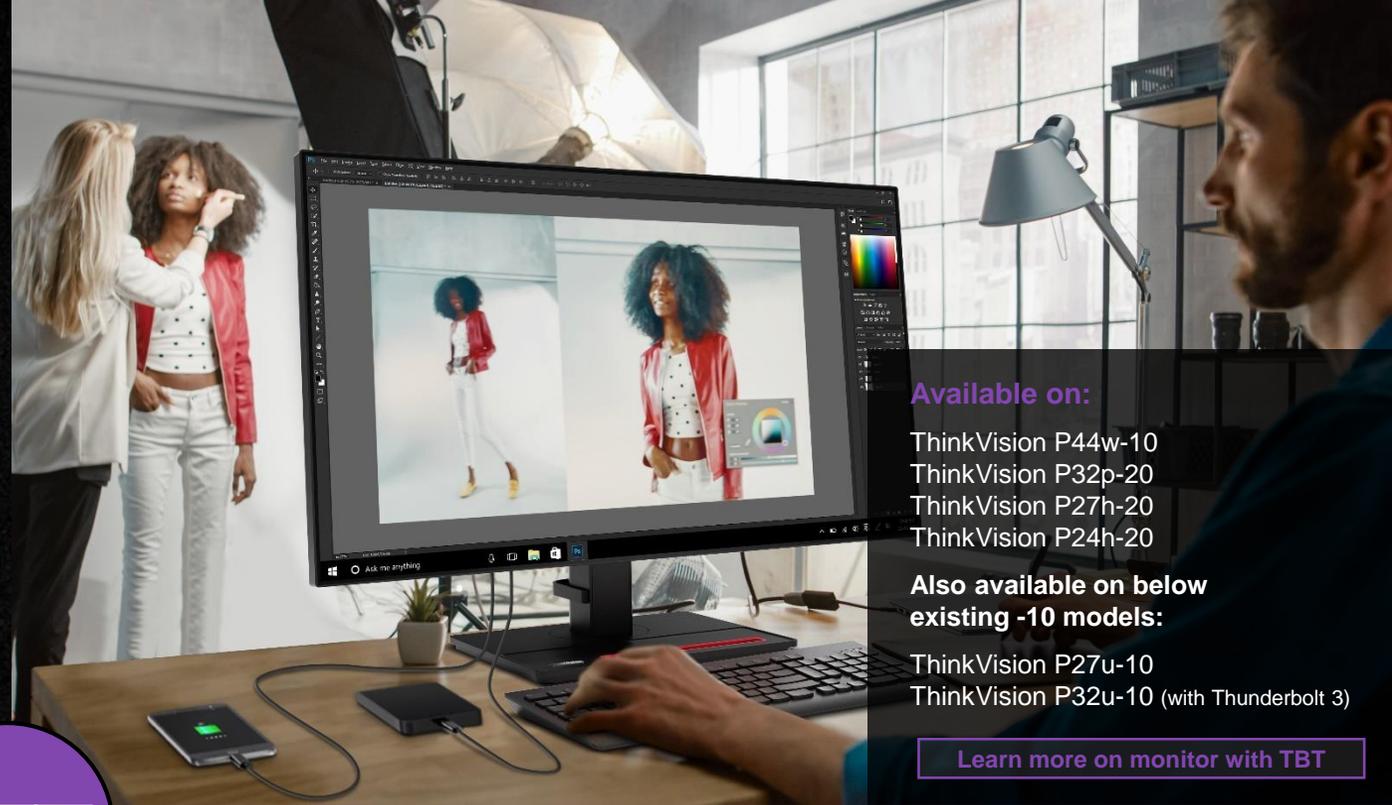
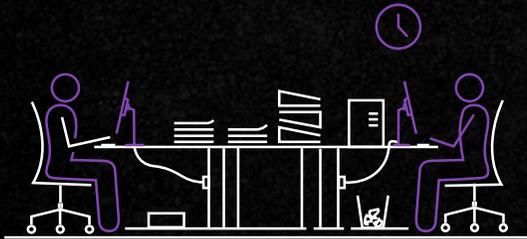
SOLVES MINOR IT SUPPORT PROBLEMS:

## Clutter-free Desktop Hub

A messy desk is a common problem,<sup>1</sup> whether in office or when working remotely. It increases stress and interferes with focus and the ability to process information quickly<sup>2</sup> and up to one hour of productivity<sup>3</sup> is lost because of a cluttered desk every day, on average.

One of the biggest reasons for desk clutter in a workspace is cables and other peripherals that are essential and cannot be done without.

ThinkVision **USB-C Hub Monitors** are designed to be the center of your workspace and maximize your productivity, while at the same time keeping your desktop clean and tidy.



Available on:

ThinkVision P44w-10  
ThinkVision P32p-20  
ThinkVision P27h-20  
ThinkVision P24h-20

Also available on below existing -10 models:

ThinkVision P27u-10  
ThinkVision P32u-10 (with Thunderbolt 3)

[Learn more on monitor with TBT](#)

Being a universal converter, it takes different signals—network, video, audio, power, data—converting to USB signals and transferring them all simultaneously via USB-C so there is only one out-cable coming from the monitor to the laptop.

**This allows the desk to be free of wires, reducing clutter.**

A dedicated smart chip built into hub monitors manages all high-speed signal transfers in real time. Hub monitors carry wide range of ports include USB-A, USB-C, Ethernet, video, and audio for maximized connectivity. Connect your compatible smart device<sup>4</sup>—laptop or smartphone—to ThinkVision USB-C hub monitors with one cable and enjoy secure network,<sup>5</sup> high-quality visual-audio experience, and fast data-transfer between all connected devices.

**ThinkVision**

1. <https://www.mindsetwech.com/story/your-messy-desk-is-making-you-look-lazy-and-neurotic-2018-11-27>  
2. <https://hbr.org/2019/03/the-case-for-finally-cleaning-your-desk>  
3. <https://www.reliableplant.com/Read/16662/reduce-office-clutter-to-increase-productivity-efficiency-profitability>  
4. Device connected to the hub monitor must have compatible full-functional USB Type-C ports for full functionality  
5. Selected models only.



# 02

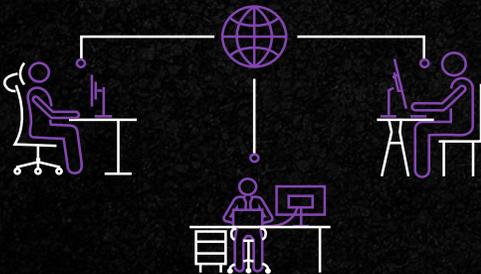
SOLVES MINOR IT SUPPORT PROBLEMS:

## Secure Network Access

Flexible working brings with it several issues in terms of data, network security, and [remote IT management](#). By having people work from different locations and times, the office security umbrella gets bigger and more difficult to manage. Hardline Ethernet connections are more secure<sup>1</sup> than WiFi.

The issue, however, is that most modern laptops do not have Ethernet connectors, thin and light systems do not have the space. Even if laptops have Ethernet ports, they add to cable clutter—one more cable that can be eliminated.

Having a hardline connection to the internet is now possible through select P Series monitors that carry **both Ethernet-in and USB-C ports**. A smart chip within the monitor serves as a converter that passes network signal through USB-C. A single cable will carry, secure, high-speed up to 1 Gbps<sup>2</sup> Internet, 3.3 times faster than WiFi<sup>3</sup> internet.

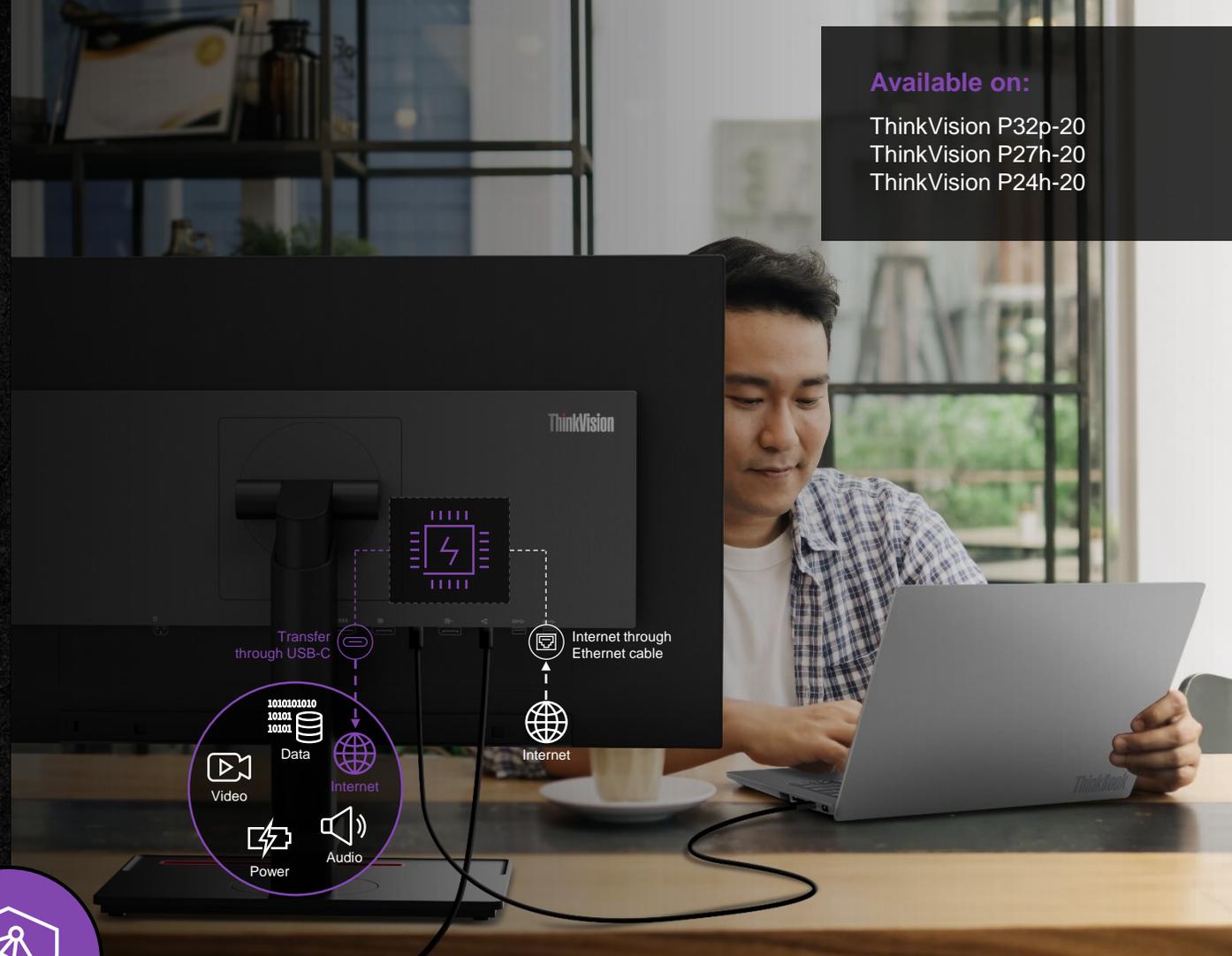


# ThinkVision

<sup>1</sup><https://www.lifewire.com/wifi-vs-ethernet-which-one-should-you-use-4684496>

<sup>2</sup>Based on the IEEE 802.3 LAN/MAN Standards developed by IEEE 802.3 Working Group

<sup>3</sup>Based on IEEE 802.11ac, a wireless networking standard in the 802.11 set of protocols



Available on:

ThinkVision P32p-20  
ThinkVision P27h-20  
ThinkVision P24h-20

ThinkVision USB-C Hub monitors with Ethernet-transfer-capability can also help IT managers provide better remote IT support for your employees.

Learn more about the benefits for IT managers



# 03

SOLVES MINOR IT SUPPORT PROBLEMS:

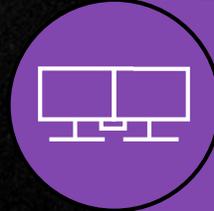
## Simplified Screen Extensions

Select P Series monitors have USB-C ports that allow for easy daisy-chaining. Through a single USB Type-C cable, users can connect up to two 4K displays for ultimate clarity, especially film editors and graphic designers. UHD 4K puts out the best in color accuracy and details, so having them side-by-side and without any desk clutter can be invaluable for creatives.

The 4-side NearEdgeless design in certain models make it possible for setting up multi-monitor displays seamlessly, and in any required orientation.

Some models in this range alternatively have daisy-chaining support powered by DisplayPort connectors. DP daisy chains are set up using one connector between a laptop and a display and one cable between the two monitors, even if the two monitors are of different resolutions.<sup>1</sup> DP-based daisy chains require the upstream laptop to also have a DP port.

<sup>1</sup><https://www.displayport.org/cables/driving-multiple-displays-from-a-single-displayport-output/#:~:text=%E2%80%9CDaisy%20chaining%E2%80%9D%20is%20a%20term,to%20the%20next%20downstream%20display.>



Resolution	USB-C/Thunderbolt daisy chain capability	DP daisy chain capability
UHD	P32u-10 (TBT)	-
QHD	P27h-20 (4-side NearEdgeless) P24h-20	P27q-20 (4-side NearEdgeless) P24q-20



# 04

SUPPORTS FLEXIBLE WORKING:

## Modern Design Aesthetic

P Series monitors are made for the modern workforce and its practical, minimalist, space-saving design philosophy reflects this perfectly. ThinkVision P Series monitors not only offer great viewing experiences; they are also great to just look at.

Bulky, heavy monitors hamper flexible working as they take up too much desk space and are difficult to set up. Outdated monitors also have ports that are hard to reach and are not suitable for any multitasking efforts with thick bezels.

The new crop of P Series monitors maintain the ThinkVision design language, but improvements are made to enhance ease-of-use. Featuring a minimal square base with a smartphone holder and flexible cable management help de-clutter users' desktop.

They are also slim and lightweight, blending into modern workspaces. NearEdgeless bezels ensure multi-monitor setups are more effective and the VESA mount compatibility<sup>1</sup> offer the opportunity to move the monitor completely off the desk.

<sup>1</sup>Sold separately. PN: 78011488

<sup>2</sup>Sold separately. PN: 4XF0N82412

# ThinkVision



### Available on:

- ThinkVision P32p-20
- ThinkVision P27h-20
- ThinkVision P24h-20
- ThinkVision P27q-20
- ThinkVision P24q-20

P Series monitors are also ThinkCentre M Series Tiny and Nano desktop PC compatible. Using the ThinkCentre Tiny/Nano Monitor Clamp II<sup>2</sup> they can be placed behind the monitor and out of the way.



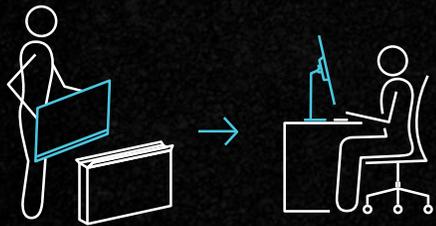
# 05

SUPPORTS FLEXIBLE WORKING:

## Easy Tool-less Setup

Setting up a monitor for the first time need not be difficult or complicated. It is a fact that not every workplace will have an IT team or technical support onsite and setting up desktops tend to be something that does not come easy to many. It is an even bigger point of contention for remote workers who must set everything up on their own.

Purpose built to be **easy to setup with minimal hardware knowledge**, its tool-less design means just about any one can take the monitor out of the box and install it with ease.



**ThinkVision**



### Available on:

- ThinkVision P32p-20
- ThinkVision P27h-20
- ThinkVision P24h-20
- ThinkVision P27q-20/P24q-20
- ThinkVision P44w-10

P Series monitors are made in a tool-less, complication-free design, and the monitors bear the Think name brand, so they are guaranteed to be sturdy and built to last. All the monitors pass Lenovo standard quality tests for build and ergonomics.

# 06

MADE FOR THE MODERN PROFESSIONAL:

## Exceptional Color and Display Performance

ThinkVision P Series monitors bring first-class display quality and exceptional performance to the workplace. The range is divided by screen size (24 inches to 44 inches), resolution (FHD to 4K UHD) and aspect ratio (16:9 to 32:10). Within the P series, there is a [monitor suited for every professional](#), from analysts and data managers to creatives like graphic designers and editors.

[Learn more about resolution](#)

Standardized color performance is in-built on ThinkVision P Series monitors. Select monitors in this range are rated for [10-bit color depth](#) and categorized as Deep Color, they can display [1.07 billion colors](#) with true-to-life accuracy.

[Learn more about color depth](#)

Color gamut describes the color capabilities of a display and P series monitors are highly rated in various spaces i.e. up to [99% sRGB](#), [99% Adobe RGB](#), and [90% DCI-P3](#).

[Learn more about color coverage and accuracy](#)

# ThinkVision



Available on:

- ThinkVision P32p-20
- ThinkVision P27h-20
- ThinkVision P24h-20
- ThinkVision P27q-20
- ThinkVision P24q-20
- ThinkVision P44w-10



Pre-calibrated from the factory and accurate to average  $\Delta E < 2$  (the lower the average  $\Delta E$ , the closer it is to real life color hue), it helps industrial and graphic designers and editors work on color-critical tasks.

### Color spaces and their uses

#### sRGB

is a common color space for the creation of images for viewing on the internet.

#### Adobe RGB

designed to encompass most of the colors achievable on CMYK color printers by using RGB primary chromacities on a devices such as monitors.

#### DCI-P3

is a common RGB color space for digital movie projection in the American film industry.



# 07

RESPONSIBLE AND SUSTAINABLE TECH:

## Intelligent Power Management

ThinkVision P Series monitors come equipped with **Smart Power**. It is a power and energy management feature that **dynamically detects and optimizes distribution of power**. If there are multiple devices plugged into a monitor like a **smartphone, a laptop, or any other USB-powered peripheral**, the monitor will gauge just how much power each of them need and adjust according to requirement.

Modern professionals regularly use multiple devices everyday and they all need power. Hub monitors with Smart Power makes it possible to keep desks free of multiple charging cables and power bricks. **Up to 90W power delivery<sup>1</sup>** can be achieved when downstream USB ports are not connected, and brightness is lowered, so if needed, users can even quick charge devices through the monitor.



<sup>1</sup>Listed as the 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.

ThinkVision



Available on:

ThinkVision P27h-20  
ThinkVision P24h-20  
ThinkVision P27q-20  
ThinkVision P44w-10

- The smart build-in engine **dynamically detect power consumption of the compatible USB Type-C device(s)**.
- Intuitively allocate power to other USB devices connected with the monitor in order to improve power efficiency.
- By **enhancing power efficiency**, Smart Power function manage to bring down overall **power consumption**.



# 08

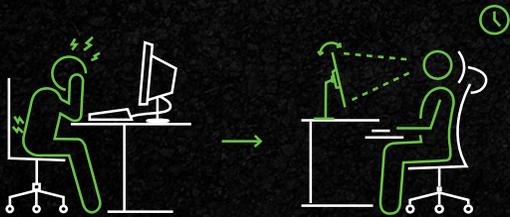
RESPONSIBLE AND SUSTAINABLE TECH:

## Healthy Work Environment

All P Series monitors are made to be reliable workhorses, and this means professionals are going to spend a lot of time in front of them. Almost 50% of all office goers suffer from some sort of repetitive strain injury<sup>1</sup> caused primarily by bad ergonomics.

Among the many complaints that those working for long hours in front of a monitor have is that they cause physical pain in the neck and shoulder regions; glare from over head and other light sources; and eye strain from blue light that damages the eyes.

P Series monitors are all equipped with **advanced ergonomic features** that ensure no user faces such difficulties while working. They all have adjustable stands that allow for tilt, lift, swivel, and pivot, so regardless of height, every user gets a **perfect setup**.



**ThinkVision**

<sup>1</sup>[http://www.rsi.org.uk/pdf/UJDs\\_Overview.pdf](http://www.rsi.org.uk/pdf/UJDs_Overview.pdf)



**Available on:**

- ThinkVision P32p-20
- ThinkVision P27h-20
- ThinkVision P24h-20
- ThinkVision P27q-20
- ThinkVision P24q-20
- ThinkVision P44w-10



New-gen P Series monitors have advanced eyecare technology with TÜV Rheinland Eye Comfort certification. They minimize eyestrain and fatigue by reducing screen flicker, glare, and cutting down harmful blue light. Long hours in front of a P Series monitor will not be physically stressful, promoting a healthy work environment.



# 09

## SW-BASED OSD SETTINGS

# Easy, Customizable Display Management

ThinkColor is a software-based solution built to tackle issues that users face with color calibration, multitasking, and monitor management, spread across three levels of users—basic users, advanced professionals, and ITDMs.

### Challenges for employees, basic and advanced

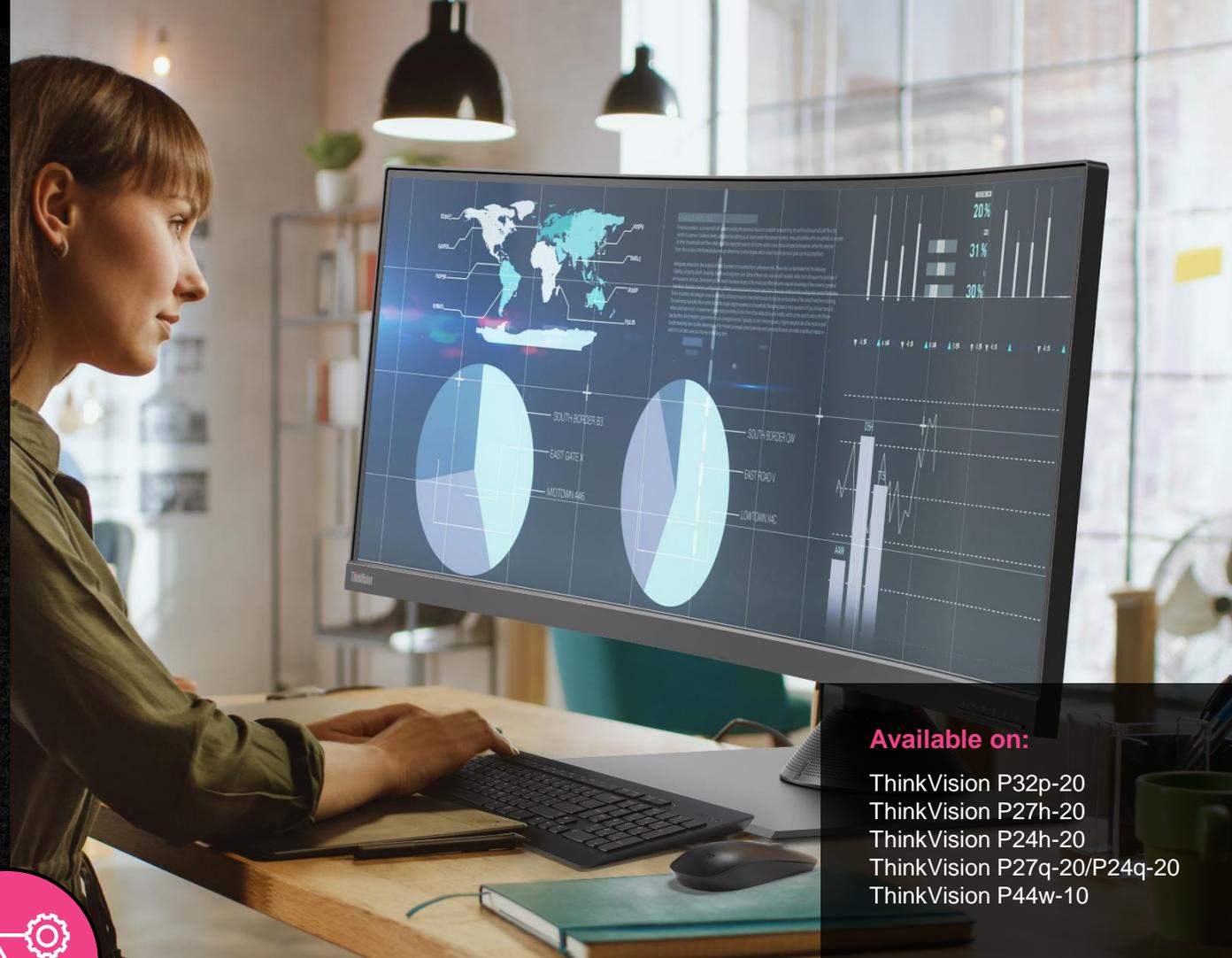
- Color calibration settings hard to find and operate
- Color needs to be set up based on requirement and often needs to be changed for creative professionals
- Personalization of display for PIP/PBP

P Series monitors are equipped with **ThinkColor software** designed specifically to simplify color calibration. Settings are visualized and easy to access. It is entirely customizable and easy to make changes when needed. From QHD to 4K, these panels are highly capable and ThinkColor ensures users **always get maximum performance**.

# ThinkVision

### Challenges for ITDMs

- Monitoring and control of displays
- Updates and maintenance
- Security



### Available on:

- ThinkVision P32p-20
- ThinkVision P27h-20
- ThinkVision P24h-20
- ThinkVision P27q-20/P24q-20
- ThinkVision P44w-10

ITDMs managing a fleet of systems across multiple users and levels can gain remote access to monitors, update them, calibrate, and even take care of security. Monitor settings, firmware updates, locking, disabling ports and other functions can be carried out in whole batches at once through ThinkColor\*.

\*Software functions vary between individual models.



# Top Options for Vertical Usage



## OIL, GAS & ENERGY

*Oil, gas, energy applications from leading ISV*

for viewing more on screen

- Large size screen for productivity
- High PPI for details
- >=27" , IPS Panel
- 4K and above

### Product Recommendation

P32u-10  
P32p-20  
P27u-10



## ARCHITECTURE & CONSTRUCTION

*ANSYS Multiphysics, Autodesk Max, Maya, Autodesk Revit, Rhino*

for CAD, CAE, CAM, CAS

- View more with high PPI
- Multi-tasking for productivity
- Specified color space
- ≥24, IPS Panel
- QHD and above
- sRGB with calibration

### Product Recommendation

P32p-20  
P27u-10  
P27h-20  
P27q-20  
P24h-20  
P24q-20



## MEDIA & ENTERTAINMENT

*Adobe Blackmagic Autodesk Unreal engine*

for graphics/video/web production

- Large size screen/high PPI
- Multiple color spaces
- Smooth experience/HDR preferred
- 27" and above
- QHD and above
- DCI-P3 or Adobe RGB/sRGB

### Product Recommendation

P44w-10  
P32u-10  
P32p-20  
P27u-20  
P27q-20



## FINANCE

*Bloomberg Terminal MS Office*

for max. content & multi-tasking

- Middle to large size or ultra wide screen
- Maximized content
- Multi-tasking
- Multi-screen usage
- 24" and above
- QHD and above
- 3 or 4-side NearEdgeless

### Product Recommendation

P44w-10  
P32p-20  
P27h-20  
P27q-20  
P24h-20  
P24q-20



## MEDICAL & SCIENCE

*Centricity Medisoft Horizon Epic*

for clarity & easy connection

- High resolution
- Accurate color
- Robust connectivity
- 24" and above
- QHD and above
- Calibrated color

### Product Recommendation

P32u-10 P24h-20  
P32p-20 P24q-20  
P27u-10  
P27h-20  
P27q-20



## ARTIFICIAL INTELLIGENCE

*Applications for end-to-end data science and analytics workflow*

for multi-tasking, data analysis

- Large screen with high PPI for heavy data analysis
- Easy for multi-tasking
- 27" and above
- QHD and above
- 3 or 4-side NearEdgeless

### Product Recommendation

P44w-10  
P32p-20  
P27h-20  
P27q-20  
P24h-20  
P24q-20

# THINKVISION P SERIES FAMILY

P32p-20



P27h-20



P24h-20



P32u-10



P27u-10



P27q-20



P24q-20



P44w-10



ThinkVision

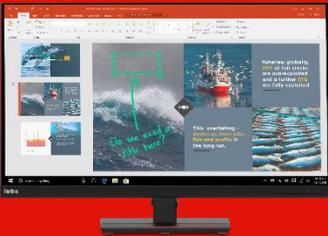
# ThinkVision P32p-20

## SUPERIOR PERFORMANCE FOR EVERYDAY PRODUCTIVITY

A 31.5-inch display with UHD resolution, an In-Plane Switching Panel, and 3-side NearEdgeless bezels, makes working on ThinkVision P32p-20 a treat. Experience seamless collaboration in any workspace on this USB-C Hub Monitor that is packed with connectivity options and delivers maximum flexibility. Enjoy secure and high-speed network performance with an Ethernet connection via USB-C, and breeze through everyday tasks with greater efficiency.



### FEATURES OF THINKVISION P32p-20



#### View Every Nuance

Added screen real estate on the ThinkVision P32p-20's UHD display, with four times the resolution and clarity than an FHD monitor, lets you view text-heavy documents or large design files with ease. Factory calibrated (avg. Delta E<2) to display content in its truest form, this monitor has 99% sRGB, BT.709, and DCI-P3 color spaces installed to ensure color consistency throughout, delivering vibrant and striking image quality.



#### Your New Go-to Professional Monitor

Users can now enjoy high-speed connectivity by upgrading to the ThinkVision P32p-20 that delivers Ethernet signals via USB-C. Its one-cable solution reduces cable clutter and enables a multi-monitor setup for productive multitasking. This monitor comes with an array of ports for seamless collaboration including ethernet, audio, video, power, and USB-C with power delivery.\* Switch between PCs on-the-fly with the KVM function, controlled using a single pair of a keyboard and mouse.

\*up to 90W power delivery to compatible devices by USB Type-C



#### Delivering Exceptional User Experience

Tilt, lift, pivot, and swivel functionality allows you to adjust the monitor to best suit your style. Organize and declutter your desk space with cable management, a minimized square base, and an integrated phone holder. Additionally, its VESA mount capability lets you optimize space available in the office. Work effortlessly for extended hours with minimal eyestrain and fatigue on this TÜV Rheinland Eye Comfort-certified monitor.

# ThinkVision P32p-20

## DISPLAY

### Panel Size

31.5-inch

### Screen Dimensions

697.31 mm x 392.23 mm

### Panel Type

3-side NearEdgeless In-Plane Switching

### Backlight

WLED

### Aspect Ratio

16:9

### Resolution

3840 x 2160

### Pixel Pitch

0.1816 x 0.1816 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

60 Hz

### Brightness (typical)

350 cd/m<sup>2</sup>

### Contrast Ratio (typical)

1000:1

### Dynamic Contrast Ratio

3M:1

### Color Gamut

99% sRGB, 99% BT.709 ,90% DCI-P3

### ColorSupport (typical)

1.07 Billion

### Color Depth

10-bit

### Processor LUT

14-bit

### Anti-glare

Yes

## CONNECTIVITY

### Video Signal

1 x USB Type-C Gen1  
(DP1.2 Alt Mode)  
1 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 USB 3.2 Gen1 (1 by USB Type-C, 1 by USB Type-B)

### USB Downstream

3 x USB 3.2 Gen1 (1 x BC1.2)

## MULTI-MEDIA

### Optional Soundbar Support

Yes (PN:0A36190)

## SPECIAL FEATURES

### Factory Calibration

Yes (Avg. Delta E<2)

### KVM Switch

Yes

## POWER

### Power Consumption (typ./max)

36W / 186W

### Power Consumption Sleep/Off Mode

< 0.5W

### Power Consumption Switch-off Mode

< 0.3W

### Energy Star Power Consumption (Pon/ETEC)

27W / 84kWh

### Power Supply

Internal

### USB Type-C Power Delivery (W)

up to 90 W\*

### 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/Nano monitor clamp II (PN: 4XH0Z42451) & Tiny VESA mount II (PN: 4XF0N03161)\*

### ThinkCentre M Series Nano support

Yes, by Tiny/Nano monitor clamp II (PN: 4XH0Z42451) & Nano VESA mount (PN: 4XF0V81630)\*

### Kensington Lock Slot

Yes

### Cable Management

Yes

### Bezel Color

Raven Black

### Bezel Width (side)

2.0 mm

### Bezel Width (top/bottom)

2.0 / 24.1 mm

## DIMENSION

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

528 x 190 x 845 mm  
20.79 x 7.48 x 32.27 inches

### Size Unpacked w/ Stand

(D x H x W, mm/inch) (lowest position)  
235.0 x 469.4 x 714.6 mm  
9.25 x 18.48 x 28.13 inches

### Size Unpacked w/o Stand

(D x H x W, mm/inch) (highest position)  
235.0 x 604.4 x 714.6 mm  
9.25 x 23.79 x 28.13 inches

### Size Unpacked w/o Stand

(D x H x W, mm/inch) (head only)  
714.6 x 426.0 x 51.0 mm  
28.13 x 16.77 x 2.01 inches

### Weight Packed (kg/lbs.)

13.30 kg/29.32 lbs.

### Weight Unpacked (kg/lbs.)

10.21 kg/22.51 lbs.

### Weight (monitor head only) (kg/lbs.)

6.96 kg/15.34 lbs.

## WHAT'S IN THE BOX

Monitor with stand  
1 x Power cable (1.8 m)  
1 x DP cable (1.8 m) (for US and Canada only)  
1 x USB Type-C to Type-C cable (1.8 m)  
1 x USB Type-A to Type-B cable (1.8 m)  
Factory calibration report  
Quick setup guide

## CERTIFICATION

### ENERGY STAR

Yes

### CCC

Yes

### TCO

8.0

### TCO Edge

2.0

### EPEAT

Silver

### RoHS (EU 2002/95/EC)

Yes

### Windows Certification

Windows 7, Windows 10

### China Energy Efficiency Standard

Tier 1

### TÜV Rheinland Eye Comfort

Yes

\*Listed as maximum capacity of power delivery. Actual capacity may vary depending upon devices connected or monitor configuration, and may decline with downstream USB ports connected or higher brightness setting.

# ThinkVision P27h MONITOR

## POWER-PACKED MONITOR FOR THE MODERN WORKFORCE

Workplaces are transforming, and businesses need to keep up with the evolving expectations. Millennials and Gen Z are hyperaware of the quality and user experience they want from their work monitors. The upgraded ThinkVision P27h-20, **engineered for tech-savvy professionals**, fits the bill perfectly. **QHD resolution** on this crisp display augments creativity and enables enhanced detailing. It delivers a premium, functional, and ergonomic experience with a **stunning 27-inch, 4-side NearEdgeless In-Plane Switching** panel. Thanks to its **anti-glare screen**, this monitor is ideal for contemporary open offices. Designed to cater to your work style, you can easily connect to peripherals through the P27h-20's versatile connectivity ports, for a holistic experience. Moreover, this monitor's factory-calibrated color accuracy with average **Delta E<2, 99% sRGB, 99% BT.709, and multiple color spaces** offer excellent color performance. Integrated with Smart Power\*\*, the monitor offers full-functioned USB Type-C one cable solution with the capability to deliver up to 90W power delivery and Ethernet signal for secure network.



Lenovo



### Impressive Visuals from Edge to Edge



**Display**  
4-side NearEdgeless In-Plane Switching Panel



**Color Gamut and Accuracy** 4- 99% sRGB  
99% BT. 709, 85% DCI-P3  
Delta E<2



**Resolution**  
QHD (2560 x 1440)

The ThinkVision P27h-20 with its QHD resolution provides 1.77 times more clarity than an Full-HD display, enhancing the productivity of business professionals and content creators. Whether you are crunching numbers or editing visual content, you'll never miss a detail on the 4-side NearEdgeless In-Plane Switching panel and 178° viewing angles. The factory-calibrated 99% sRGB color gamut in addition to 99% BT.709 and 85% DCI-P3 provide the best color consistency and striking image quality.



### Experience Superior Connectivity



**Connectivity**  
One-cable Solution for Ethernet, video, audio, and data via USB Type-C



**Smart Power\*\***  
Up to 90 W\* power delivery via USB Type-C



**Collaboration**  
1 x USB-C Gen1, (DP1.2 Alt Mode)  
1 x HDMI 1.4, 1 x DP 1.2  
1 x DP 1.2 (Out), 4 x USB 3.1 Gen1 (1 BC)  
1 x Audio Out (3.5 mm), 1 x Ethernet

Collaborate effectively by connecting to various peripherals with the USB Type-C one-cable solution, which also doubles up as a power charging cable. Conduct meetings and presentations seamlessly with the ethernet port, audio out, video, and USB data slots on offer. Multitasking will now be a breeze as you can daisy chain and create a multi-monitor setup via the DisplayPort. Smart Power\*\* intelligently distributes power to connected USB and USB Type-C devices, maximizing power supply efficiency while also reducing overall consumption.

\*\*up to 90W power delivery to compatible devices by USB Type-C



### Efficient Workspace



**Ergonomics**  
Full function  
Increased Lift Range (Max 135 mm)



**Space-Saving**  
Upgraded family design  
Cable Management



**Convenience**  
Phone holder

The ThinkVision P27h-20 doesn't just look good but also enhances the user experience with ergonomic, space-saving, and easy-to-use features. Vertical stand with swivel, tilt, pivot, and increased lift functionality ensures easy positioning of the monitor and reduces strain on your neck and back. With flexible cable management system, wires don't get entangled, minimizing clutter. An integrated phone holder, VESA mount, and minimized square base also let you have an organized desk. The P27h-20 is TÜV Rheinland Eye Comfort-certified to minimize eye fatigue, ensuring you work exertion free.

# ThinkVision P27h-20

## DISPLAY

### Panel Size

27-inch

### Screen Dimensions

596.74 mm x 335.66 mm

### Panel Type

4-side NearEdgeless In-Plane Switching

### Backlight

WLED

### Aspect Ratio

16:9

### Resolution

2560 x 1440

### Pixel Pitch

0.2331 x 0.2331 mm

### Dot/Pixel Per Inch (DPI/PPI)

109

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

178° / 178°

### Response Time

4ms (extreme mode) 6ms (normal mode)

### Refresh Rate

60 Hz

### Brightness (typical)

350 cd/m<sup>2</sup>

### Contrast Ratio (typical)

1000:1

### Dynamic Contrast Ratio(typical)

3M:1

### Color Gamut

99% sRGB,99% BT.709,85% DCI-P3

### ColorSupport (typical)

16.7 Million

### Processor LUT

8-bit

### Anti-glare

Yes

## CONNECTIVITY

### Video Signal

1 x USB Type-C Gen1 (DP1.2 Alt Mode)  
1 x HDMI 1.4  
1 x DP 1.2  
1 x DP 1.2 (Out)

### Audio Signal

1 x Audio Out (3.5 mm)

### USB Hub

Yes

### Ethernet

Yes (10M/100M/1000M)

### USB Upstream

1 x USB 3.1 Gen1 (by USB Type-C Gen1)

### USB Downstream

4 x USB 3.1 Gen1 (1 x BC1.2)

## MULTI-MEDIA

### Integrated Speakers

Yes (2 x 1W)

### Optional Soundbar Support

Yes (PN 0A36190)

## SPECIAL FEATURES

### Factory Calibration

Yes (Avg. Delta E<2)

## POWER

### Power Consumption (typ./max)

27W / 150W

### Power Consumption Sleep/Off Mode

< 0.5W

### Power Consumption Switch-off Mode

< 0.3W

### Energy Star Power Consumption (Pon/ETEC)

19W / 61kWh

### Power Supply

Internal

### USB Type-C Power Delivery (W)

up to 90 W\*

### 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)

### Kensington Lock Slot

Yes

### Cable Management

Yes

### Bezel Color

Raven Black

### Bezel Width (side)

2.0 mm

### Bezel Width (top/bottom)

2.0 / 2.0 mm

## DIMENSION

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

182 x 463 x 722 mm  
7.17 x 18.23 x 28.43 inches

### Size Unpacked w/ Stand (D x H x W, mm/inch) (lowest position)

208 x 441.5 x 613.8 mm  
8.19 x 17.38 x 27.17 inches

### Size Unpacked w/o Stand (D x H x W, mm/inch) (highest position)

208 x 576.5 x 613.8 mm  
8.19 x 22.70 x 27.17 inches

### Size Unpacked w/o Stand (D x H x W, mm/inch) (head only)

46.9 x 353.8 x 613.8 mm  
1.85 x 13.92 x 27.17 inches

### Min. Distance from Table to Panel (lowest pixel at bottom of screen, mm)

97.3 mm

### Max. Distance from Table to Panel (highest pixel at top of screen, mm)

567.9 mm

### Weight Packed (kg/lbs.)

9.55 kg / 21.01 lbs.

### Weight Unpacked (kg/lbs.)

7.35 kg / 16.17 lbs.

### Weight (monitor head only) (kg/lbs.)

4.87 kg / 10.71 lbs.

### Full Container Load (40' STD / 20' STD)

792 / 352 units

## WHAT'S IN THE BOX

Monitor with stand  
1 x Power cable (1.8 m)  
1 x DP cable (1.8 m) (NA only)  
1 x USB Type-C to Type-C cable (1.8 m)  
1 x USB Type-C to Type-A cable (1.8 m) (NA only)  
Factory calibration report  
Quick setup guide

## CERTIFICATION

### ENERGY STAR Rating

8.0

### CCC

Yes

### TCO

8.0

### TCO Edge

2.0

### EPEAT

Silver

### RoHS (EU 2002/95/EC)

Yes

### Windows Certification

Windows 7, Windows 10

### China Energy Efficiency Standard

Tier 1

### TÜV Rheinland Eye Comfort

Yes

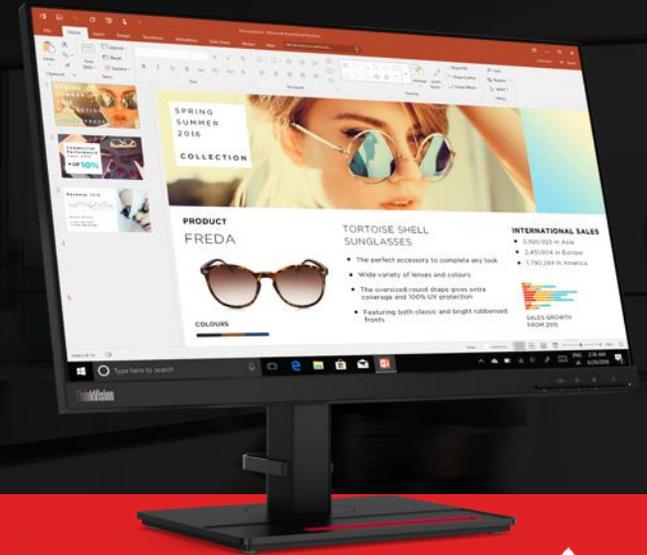
\*Listed as maximum capacity of power delivery. Actual capacity may vary depending upon devices connected or monitor configuration, and may decline with downstream USB ports connected or higher brightness setting.

# ThinkVision P24h MONITOR

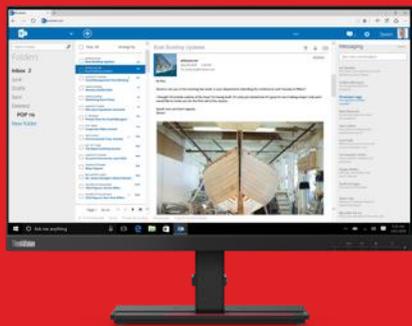
## INTUITIVE DESIGN FOR COMFORTABLE WORKING

### UNIFYING SIMPLICITY AND AESTHETICS

An immersive visual experience and enhanced productivity are what you get when using the ThinkVision P24h-20. Its 23.8-inch display comes with QHD resolution, In-Plane Switching (IPS), and 3-side NearEdgeless bezels. This monitor offers versatile connectivity options for seamless collaboration in a multiscreen setup. Enjoy secure and high-speed network performance with an Ethernet connection via USB-C, and breeze through everyday tasks with greater efficiency. Smart Power function\* intelligently detects overall power consumption and dynamically manages power delivery.



Lenovo



### Astonishing Display

With 1.77 times the pixels than Full-HD in the 3-side NearEdgeless IPS panel, the monitor's QHD resolution offers more screen real estate to carry out everyday tasks with clarity and ease. The ThinkVision P24h-20 is factory calibrated (avg. Delta E<2) to deliver the truest view of original content. 99% sRGB, 99% BT.709, and 84% DCI-P3 color gamuts ensure color consistency throughout, delivering vibrant and striking image quality.

### Performance at Its Best

The ThinkVision P24h-20, a USB-C Hub monitor offers a one-cable solution that simultaneously transmits Ethernet, power, video, audio, and data. Create a multi-monitor setup with its daisy-chaining functionality for seamless multitasking. Built-in speakers with immersive audio enhance collaboration. Smart Power\* technology intelligently distributes power supply while optimizing overall power consumption.

### Integrated Ergonomics

Customize the ThinkVision P24h-20 for maximum comfort with its tilt, lift, pivot, and swivel functionality. Keep your desk clutter-free with the cable management system, small square base, and integrated phone holder. This monitor has flexible VESA mounting options so you can install it on a wall or over a desk. Work effortlessly on this TÜV Rheinland Eye Comfort-certified monitor without worrying about eye fatigue.

# ThinkVision P24h-20

## DISPLAY

### Panel Size

23.8-inch

### Screen Dimensions

526.85 mm x 296.35 mm

### Panel Type

3-side NearEdgeless In-Plane Switching

### Backlight

WLED

### Aspect Ratio

16:9

### Resolution

2560 x 1440

### Pixel Pitch

0.2058 x 0.2058 mm

### Dot/Pixel Per Inch (DPI/PPI)

123

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

178° / 178°

### Response Time

4ms (extreme mode) 6ms (normal mode)

### Refresh Rate

60 Hz

### Brightness (typical)

300 cd/m<sup>2</sup>

### Contrast Ratio (typical)

1000:1

### Dynamic Contrast Ratio(typical)

3M:1

### Color Gamut

99% sRGB, 99% BT.709, 84% DCI-P3

### ColorSupport (typical)

16.7 Million

### Processor LUT

8-bit

### Anti-glare

Yes

## CONNECTIVITY

### Video Signal

1 x USB Type-C Gen1 (DP1.2 Alt Mode)

1 x HDMI 1.4

1 x DP 1.2

1 x DP 1.2 (Out)

### Audio Signal

1 x Audio Out (3.5 mm)

### USB Hub

Yes

### Ethernet

Yes (10M/100M/1000M)

### USB Upstream

1 x USB 3.1 Gen1 (by USB Type-C Gen1)

### USB Downstream

4 x USB 3.1 Gen1 (1 x BC1.2)

## MULTI-MEDIA

### Integrated Speakers

Yes (2 x 1W)

### Optional Soundbar Support

Yes (PN 0A36190)

## SPECIAL FEATURES

### Factory Calibration

Yes (Avg.  $\Delta E < 2$ )

## POWER

### Power Consumption (typ./max)

23W / 132W

### Power Consumption Sleep/Off Mode

< 0.5W

### Power Consumption Switch-off Mode

< 0.3W

### Energy Star Power Consumption (Pon/ETEC)

18.49W / 60.11kWh

### Power Supply

Internal

### USB Type-C Power Delivery (W)

up to 75 W\*

### Voltage Required

AC 100 to 240 V (47-63 Hz)

## MECHANICAL

### Tilt Angle (front/back)

-5° / 35°

### Swivel Angle (left/right)

+45° / -45°

### Lift (max. range)

150 mm

### Pivot

-90° / 90°

### VESA Mount Capability

Yes (100 x 100 mm)

### Kensington Lock Slot

Yes

### Cable Management

Yes

### Bezel Color

Raven Black

### Bezel Width (side)

2 mm

### Bezel Width (top/bottom)

2 / 21.4 mm

## DIMENSION

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

620 x 149 x 423 mm

24.4 x 5.9 x 16.7 inches

### Size Unpacked w/ Stand

(D x H x W, mm/inch) (lowest position)

205 x 420 x 539.8 mm

8.07 x 16.5 x 21.3 inches

### Size Unpacked w/o Stand

(D x H x W, mm/inch) (highest position)

205 x 570 x 539.8 mm

8.07 x 22.4 x 21.3 inches

### Size Unpacked w/o Stand

(D x H x W, mm/inch) (head only)

44.6 x 325.7 x 539.8 mm

1.8 x 12.8 x 21.3 inches

### Min. Distance from Table to Panel (lowest pixel at bottom of

screen, mm)

117.9 mm

### Max. Distance from Table to Panel (highest pixel at top of screen,

mm)

415 mm

### Weight Packed (kg/lbs.)

8.1 kg / 17.86 lbs.

### Weight Unpacked (kg/lbs.)

6.18 kg / 13.6 lbs.

### Weight (monitor head only) (kg/lbs.)

3.85 kg / 7.89 lbs.

### Full Container Load (40' STD / 20' STD)

1395 / 645 units

## WHAT'S IN THE BOX

Monitor with stand

1 x Power cable (1.8 m)

1 x DP cable (1.8 m) (NA only)

1 x USB Type-C to Type-C cable (1.8 m)

1 x USB Type-C to Type-A cable (1.8 m) (NA only)

Factory calibration report

Quick setup guide

## CERTIFICATION

### ENERGY STAR Rating

8.0

### CCC

Yes

### TCO

8.0

### TCO Edge

2.0

### EPEAT

Silver

### RoHS (EU 2002/95/EC)

Yes

### Windows Certification

Windows 7, Windows 10

### China Energy Efficiency Standard

Tier 1

### TÜV Rheinland Eye Comfort

Yes

\*Listed as maximum capacity of power delivery. Actual capacity may vary depending upon devices connected or monitor configuration, and may decline with downstream USB ports connected or higher brightness setting.

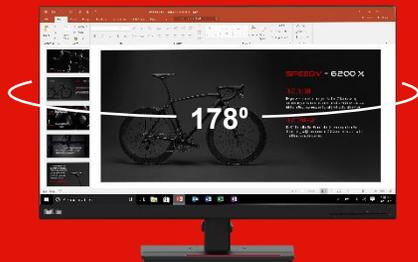
# ThinkVision P27q-20

## SPACE-SAVING DESIGN FOR EFFICIENT MULTITASKING

Improve your productivity with the ThinkVision P27q-20. This 27-inch monitor has an In-Plane Switching panel and QHD resolution that enhances picture quality for a more detailed view. Create a multi-screen setup with two or more of these 4-sided NearEdgeless displays for seamless multitasking. Versatile connectivity options allow you to connect with peripherals to transfer and receive data with ease. The ThinkVision P27q-20's space-saving design conforms to ergonomics and ensures that your desk space remains organized for improved productivity.



## FEATURES OF THINKVISION P27q-20



### Uncompromised Visual Experience

Experience exceptional image quality on the QHD (2560x1440), In-Plane Switching display that offers a wide viewing angle. Run applications while checking on multiple spreadsheets—deploy two or more of these 4-sided NearEdgeless monitors side-by-side, for an uninterrupted view and effortless multitasking. Convenient and perfect for any workspace, this monitor helps enhance efficiency.



### Efficient and Smart Working

Maximize your productivity with multiple ports by connecting to all essential peripherals effortlessly. The monitor has dedicated DisplayPort, four USB 3.1 Gen1 ports, and an HDMI port for seamless connectivity during meetings and presentations. Connect the monitor to an optional speaker via audio out port for a complete audio visual experience.



### Ergonomic and Space-saving Solution

Place your monitor either on its sturdy stand or mount it up on the wall, using VESA mount for comfortable viewing. The extended tilt and lift range is ergonomic, allowing you to spend time in front of the monitor without fatigue. The cable management, smaller base, and integrated phone holder further add to your convenience and help you work efficiently, by keeping your desk space organized.

# ThinkVision P27q-20

## DISPLAY

### Panel Size

27-inch

### Screen Dimensions

596.74 mm x 335.66 mm

### Panel Type

4-side NearEdgeless In-Plane Switching

### Backlight

WLED

### Aspect Ratio

16:9

### Resolution

2560 x 1440

### Pixel Pitch

0.2331 x 0.2331 mm

### Dot/Pixel Per Inch (DPI/PPI)

109

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

178° / 178°

### Response Time

4ms (extreme mode) 6ms (normal mode)

### Refresh Rate

60 Hz

### Brightness (typical)

350 cd/m<sup>2</sup>

### Contrast Ratio (typical)

1000:1

### Dynamic Contrast Ratio(typical)

3M:1

### Color Gamut

99% sRGB

### ColorSupport (typical)

16.7 Million

### Anti-glare

Yes

## CONNECTIVITY

### Video Signal

1 x HDMI 1.4  
1 x DP 1.2  
1 x DP 1.2 (out)

### Audio Signal

1 x Audio Out (3.5 mm)

### USB Hub

Yes

### USB Upstream

1 x USB3.1 Gen1 (by USB Type-B)

### USB Downstream

4 x USB3.1 Gen1 (1 BC)

## POWER

### Power Consumption (typ./max)

22W / 57W

### Power Consumption Sleep/Off Mode

< 0.5W

### Power Consumption Switch-off Mode

< 0.3W

### Energy Star Power Consumption (Pon/ETEC)

18W / 57kWh

### Power Supply

Internal

### 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)

### Kensington Lock Slot

Yes

### Cable Management

Yes

### Bezel Color

Raven Black

### Bezel Width (side)

2.0 mm

### Bezel Width (top/bottom)

2.0 / 2.0 mm

## DIMENSION

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

182.0 x 463.0 x 722.0 mm /  
7.17 x 18.23 x 28.43 inches

### Size Unpacked w/ Stand (D x H x W, mm/inch) (lowest position)

208.0 x 441.5 x 613.8 mm /  
8.19 x 17.38 x 27.17 inches

### Size Unpacked w/o Stand (D x H x W, mm/inch) (highest position)

208.0 x 576.5 x 613.8 mm /  
8.19 x 22.70 x 27.17 inches

### Size Unpacked w/o Stand (D x H x W, mm/inch) (head only)

46.9 x 353.8 x 613.8 mm /  
1.85 x 13.92 x 27.17 inches00000

### Min. Distance from Table to Panel (lowest pixel at bottom of screen, mm)

97.3 mm

### Max. Distance from Table to Panel (highest pixel at top of screen, mm)

567.9 mm

### Weight Packed (kg/lbs.)

9.26 kg / 20.37 lbs.

### Weight Unpacked (kg/lbs.)

7.12 kg / 15.7 lbs

### Weight (monitor head only) (kg/lbs.)

4.64 kg / 10.23 lbs.

### Full Container Load (40' STD / 20' STD)

792 / 352 units

## WHAT'S IN THE BOX

Monitor with stand  
1 x Power cable (1.8 m)  
1 x DP cable (1.8 m)  
1 x USB Type-B to Type-A cable (1.8 m)  
Quick setup guide

## CERTIFICATION

### ENERGY STAR Rating

8.0

### CCC

Yes

### TCO

8.0

### TCO Edge

2.0

### EPEAT

Silver

### RoHS (EU 2002/95/EC)

Yes

### Windows Certification

Windows 7, Windows 10

### China Energy Efficiency Standard

Tier 1

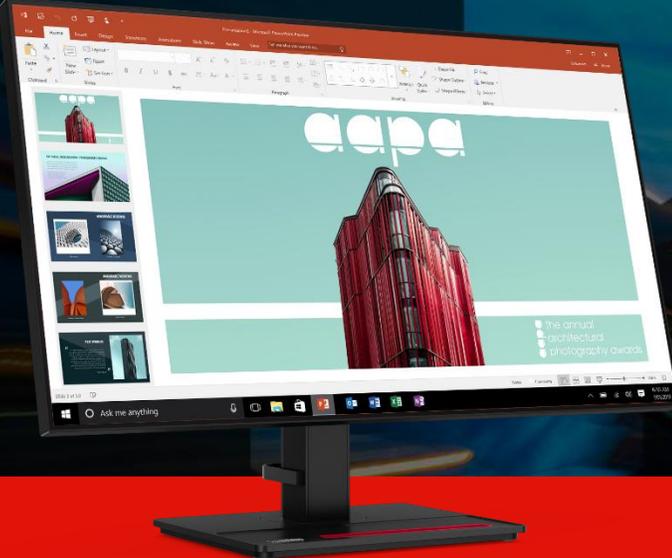
### TÜV Rheinland Eye Comfort

Yes

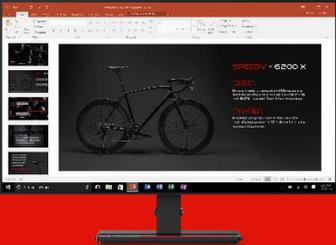
# ThinkVision P24q-20

## EVERYDAY COMPUTING MADE EASY

Designed to fit into any workspace, the ThinkVision P24q-20 is packed with productivity features that boost efficiency. When collaborating, or in a multiscreen setup, this 23.8-inch monitor enhances your viewing experience thanks to its QHD resolution, In-Plane Switching (IPS), and 3-side NearEdgeless bezels. Multiple color gamuts—sRGB, BT.709, and DCI-P3—and factory calibration ensure outstanding visual quality and impressive color accuracy. Now, say goodbye to tired, strained eyes as the ThinkVision P24q-20 is TÜV Rheinland Eye Comfort certified, ensuring you work without fatigue.



### FEATURES OF THINKVISION P24q-20



#### Vivid Display from Any Direction

Sporting a 3-side NearEdgeless In-Plane Switching panel, the monitor's QHD resolution packs 1.77 times the pixels than Full HD, giving you more screen real estate and allowing you to see and do more. Carry out everyday tasks with clarity and precision. 99% sRGB, 99% BT.709, and 85% DCI-P3 color ranges, and factory color calibration (avg. Delta E<2) offer vibrant and striking image quality, ensuring color consistency throughout.



#### Impactful Productivity

The ThinkVision P24q-20 is engineered to improve efficiency—this is a monitor synonymous with flexibility, functionality, collaboration, and multitasking. Show off your work by daisy-chaining effectively to create a multi-monitor setup. Connect with computers and peripherals seamlessly with an array of USB ports (upstream and downstream) on offer.



#### Space-saving Design for Clutter-free Desk

The tilt, lift, pivot, and swivel functionality allows you to customize the ThinkVision P24q-20 the way you want it. A higher lift range ensures minimal neck and back strain. With its cable management, minimized square base, and integrated phone holder you get an organized and uncluttered desk space. With TÜV Rheinland Low Blue certification, the monitor assures minimal eye fatigue.

# ThinkVision P24q-20

## DISPLAY

### Panel Size

23.8-inch

### Screen Dimensions

526.85 mm x 296.35 mm

### Panel Type

3-side NearEdgelessIn-Plane Switching

### Backlight

WLED

### Aspect Ratio

16:9

### Resolution

2560 x 1440

### Pixel Pitch

0.2058 x 0.2058 mm

### Dot/Pixel Per Inch (DPI/PPI)

123

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

178° / 178°

### Response Time

4ms (extreme mode) 6ms (normal mode)

### Refresh Rate

60 Hz

### Brightness (typical)

300 cd/m<sup>2</sup>

### Contrast Ratio (typical)

1000:1

### Dynamic Contrast Ratio(typical)

3M:1

### Color Gamut

99% sRGB, 99% BT.709, 84 % DCI-P3

### ColorSupport (typical)

16.7 Million

### Anti-glare

Yes

## CONNECTIVITY

### Video Signal

1 x HDMI 1.4  
1 x DP 1.2  
1 x DP 1.2 (out)

### Audio Signal

1 x Audio Out (3.5 mm)

### USB Hub

Yes

### USB Upstream

1 x USB3.1 Gen1 Type-B

### USB Downstream

4 x USB3.1 Gen1 (1 x BC1.2)

## SPECIAL FEATURES

### Factory Calibration

Yes (Avg. Delta E<2)

## POWER

### Power Consumption (typ./max)

20W / 61W

### Power Consumption Sleep/Off Mode

< 0.5W

### Power Consumption Switch-off Mode

< 0.3W

### Energy Star Power Consumption (Pon/ETEC)

16.04W / 51.61kWh

### Power Supply

Internal

### Voltage Required

AC 100 to 240 V (47-63 Hz)

## MECHANICAL

### Tilt Angle (front/back)

-5° / 35°

### Swivel Angle (left/right)

+45° / -45°

### Lift (max. range)

150 mm

### Pivot

-90° / 90°

### VESA Mount Capability

Yes (100 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 / 21.4 mm

## DIMENSION

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

620 x 149 x 423 mm /  
24.4 x 5.9 x 16.7 inches

### Size Unpacked w/ Stand

(D x H x W, mm/inch) (lowest position)

205 x 420 x 539.8 mm /  
8.07 x 16.5 x 21.3 inches

### Size Unpacked w/o Stand

(D x H x W, mm/inch) (highest position)

205 x 570 x 539.8 mm /  
8.07 x 22.4 x 21.3 inches

### Size Unpacked w/o Stand

(D x H x W, mm/inch) (head only)

44.6 x 325.7 x 539.8 mm /  
1.8 x 12.8 x 21.3 inches

### Min. Distance from Table to Panel (lowest pixel at bottom of screen, mm)

117.9 mm

### Max. Distance from Table to Panel (highest pixel at top of screen, mm)

415 mm

### Weight Packed (kg/lbs.)

8.1 kg / 17.86 lbs.

### Weight Unpacked (kg/lbs.)

6.18 kg / 13.6 lbs.

### Weight (monitor head only) (kg/lbs.)

3.85 kg / 7.89 lbs.

### Full Container Load (40' STD / 20' STD)

1395 / 645 units

## WHAT'S IN THE BOX

### Monitor with stand

1 x Power cable (1.8 m)  
1 x DP cable (1.8 m)  
1 x USB Type-A to Type-B cable (1.8 m)  
Factory Calibration Report  
Quick setup guide

## CERTIFICATION

### ENERGY STAR Rating

8.0

### CCC

Yes

### TCO

8.0

### TCO Edge

2.0

### EPEAT

Silver

### RoHS (EU 2002/95/EC)

Yes

### Windows Certification

Windows 7, Windows 10

### China Energy Efficiency Standard

Tier 1

### TÜV Rheinland Eye Comfort

Yes

# ThinkVision P44w-10

**Reimagine Creativity. Redefine Productivity.**

Offering a stunning visual experience, the ThinkVision P44w-10 allows you to be more productive every day. The 43.4-inch large screen real estate and wide viewing angle make content creation and consumption exceptional. Its versatile connectivity ports expand your device capabilities by enabling easy connection to other peripherals. The ThinkVision P44w-10 is a USB-C Hub Monitor offering a one-cable solution for charging devices, quick data transfer, audio and video output. Packed with advanced features, this display is your perfect canvas to amplify productivity.

## FEATURES OF THINKVISION P44w-10



### One is Better than Two

The ThinkVision P44w-10 offers a curved display, designed in a way that allows you to enjoy the screen space of approximately two 24-inch 16:10 monitors on a single 43.4-inch 32:10 monitor. The picture-by-picture (PBP) and picture-in-picture (PIP) functionality with KVM switch helps you manage up to two video inputs for seamless multitasking and viewing content from up to two devices at ease. Moreover, the lift, tilt, and swivel functionality allows you to position the monitor in a way that suits your working style.



### Experience Superior Connectivity

With two innovative USB 3.1 Type-C ports, you can connect up to two devices, transfer data, video/audio, and manage up to 90W power for devices such as smartphones, laptops, workstations, tablets, or desktops simultaneously. The one-push port-hub houses two USB 3.1 ports and an audio jack to enable easy plug and play connectivity needs for home, office and entertainment alike. With the Smart Power function that intelligently detects power consumption and efficiently manages power supply, users can charge two compatible devices simultaneously. Advanced ports such as DisplayPort 1.4 and HDMI 2.0 offer more connectivity options.



### Display with a Perspective

This anti-glare curved monitor with TÜV Eye Comfort certification reduces eye-strain and makes it easy for you to power through extended working hours. Moreover, the 3840 x 1200 pixels resolution combined with VESA Certified Display HDR 400 picture clarity offers crisp visuals. The 144Hz refresh rate enables you to enjoy content consumption without any lags\*. With the multiple color spaces, pre-calibrated color accuracy, and the ThinkColor software, content creation tasks are a breeze. The optional Harman Kardon certified speaker along with the immersive display offers an integrated audiovisual experience.

# ThinkVision P44w-10

## DISPLAY

### Panel Size

43.4 inches

### Screen Dimensions(H x V)

1052.3 x 328.8mm  
41.4 x 12.9 inches

### Panel Type

VA NearEdgeless, anti-glare

### Curvature

1800R

### Backlight

WLED

### Aspect Ratio

32:10

### Resolution

3840 x 1200

### HDR

VESA Certified DisplayHDR™ 400

### Pixel Pitch (H x V)

0.2740 x 0.2740mm

### Viewing Angle (H x V)

178° / 178°

### Response Time (gray to gray)

4/6ms (extreme/typical)

### Refresh Rate

Max. 144Hz

### Contrast Ratio (typical)

1000:1

### Dynamic Contrast Ratio(typical)

3M:1

### ColorSupport (typical)

16.7 M

### Color Gamut

sRGB: 99.5%BT.709: 99.5%DCI-P3: 90%

### Brightness (typical)

380 nits (typical)  
450 nits (peak)

## CONNECTIVITY

### Video Signal

2 x HDMI 2.0  
1 x DP1.4  
1 x USB Type-C Gen1 (DP1.2 Alt Mode)  
1 x USB Type-C Gen2 (DP1.4 Alt Mode)

### Video Cable Length

1.5m for USB Type-C Gen2 1.8m for others

### Audio Out

Yes (3.5mm)

### USB Hub

Yes

### USB Upstream

2 x USB 3.1 (1 x USB Type-C Gen1,  
1 x USB Type-C Gen2)

### USB Downstream

4 x USB 3.1 Gen1 (1 BC)

### Power

Internal

### Power Consumption

Typical/Max: 70W/250W  
Switch-off Mode: <0.5W  
Sleep/Off Mode: <0.5W  
Energy Star (Pon) - 42.18W  
Energy Star (E TEC) - 138.17kWh

## DIMENSION

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

1219 x 500 x 376mm  
47.99 x 19.68 x 14.80 inches

### Size Unpacked w/ Stand (D x H x W, mm/inch) (lowest position)

269.8 x 461.1 x 1058.3  
mm10.62 x 18.15 x 41.67 inches

### Size Unpacked w/o Stand (D x H x W, mm/inch) (highest position)

269.8 x 591.1 x 1058.3mm  
10.62 x 23.27 x 41.67 inches

### Size Unpacked w/o Stand (D x H x W, mm/inch) (head only)

137.2 x 366.1 x 1058.3mm  
5.40 x 14.21 x 41.67 inches

### Weight Packed (kg/lbs.)

18.59kg/40.98lbs.

### Weight Unpacked (kg/lbs.)

13.45kg/29.65lbs.

### Weight (Monitor Head Only)

9.35kg/20.61lbs.

## SPECIAL FEATURES

### Anti-Glare

Yes

### PIP/PBP

Yes

### Software

Yes (ThinkColor)

### Speaker

Supports optional Harman Kardon certified speaker

## MECHANICAL

### Tilt Angle (front/back)

-5°/22°

### Swivel Angle (left/right)

±30°

### Lift (max. range)

Yes (130mm)

### VESA Mount Capability

Yes (100 x 100 mm)

### Kensington Lock Slot

Yes

### Cable Management

Yes

### Bezel Color

Raven Black

### Bezel Width (side)

2.4mm

### Bezel Width (top/bottom)

2.4/25.6mm

## WHAT'S IN THE BOX

### Monitor with stand

1 x Power cable  
1 x HDMI cable  
1 x DP cable  
1 x USB Type-C Gen2 cable  
1 x USB Type-C to Type-A cable  
Quick setup guide

## CERTIFICATION

### ENERGY STAR Rating

8.0

### CCC

Yes

### RoHS

Yes

### TCO

8.0

### EPEAT

Silver

### Windows Certification

Windows 7, Windows 10

### China Energy Efficiency Standard

Tier 2

### TÜV Eye Comfort

Yes

# ThinkVision P32u-10

## Bringing Vision to Life

The ThinkVision P32u-10 monitor combines phenomenal visuals and effortless connectivity for powerful performance and precise viewing. From color-centric tasks such as graphic design and photo retouching to displaying detailed content for users like financial analysts, scientists, and researchers, this monitor delivers with utmost precision. What's more, with intuitive connectivity enabled by the Thunderbolt™ 3 port, it can daisy chain two 4K monitors for smooth multitasking and an unmatched viewing experience.



## FEATURES OF THINKVISION P32u-10



### Professional-Grade Color Accuracy

Experience detailed and natural visuals as the 10-bit color depth offers over 1 billion colors with the 99.5% Adobe RGB color gamut. Also, the multiple color spaces on this monitor cater to the specific needs of various professionals. Colors are pre-calibrated from the factory, to an average of delta E<2. This feature helps industrial designers, graphic designers, and editors effectively work on color-critical tasks like video editing and color correction.



### Connectivity Redefined

Transferring data, watching videos, or charging devices on this monitor is as effortless as it could be. The intuitive Thunderbolt™ 3 port enables a one-cable connection to all the peripherals you need. This port helps boost your productivity, and lets you explore more ways to work efficiently. Collaborate easily with lightning-fast data transfers, or daisy chain two independent 4K displays when you need to multitask.



Pivot Mode

### Bringing Comfort to Work

The ergonomic full-function stand allows you to position the monitor in any way that suits your working style or posture with lift, tilt, pivot, and swivel. Also, the anti-glare display allows you to work seamlessly even under glaring office lights. This feature is apt for video editors and designers who often spend long hours on their monitors.

# ThinkVision P32u-10

## DISPLAY

### Panel Size

32-inch

### Screen Dimensions

708.4 mm x 398.5 mm

### Panel Type

In-Plane Switching

### Backlight

WLED

### Aspect Ratio

16:9

### Resolution

3840 x 2160

### Pixel Pitch

0.1845 x 0.1845 mm

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

178° / 178°

### Response Time

4ms (extreme mode)

6ms (normal mode)

### Contrast Ratio (typical)

1000:1

### Dynamic Contrast Ratio

3M:1

### Color Gamut

99.5% Adobe RGB

100% sRGB

100% BT.709

98.2% DCI-P3

79.3% BT.2020

### Color Support (typical)

1.07 Billion

### Anti-glare

Yes

## CONNECTIVITY

### Video Signal

1 x USB Type-C Thunderbolt™ 3

2 x HDMI 2.0

1 x DP 1.2

### Audio Signal

1 x Audio Out (3.5 mm)

### USB Hub

Yes

### USB Upstream

2 x USB 3.0 Gen1

(1 by USB Type-C Thunderbolt™, 1 by USB Type-B)

### USB Downstream

4 x USB 3.0 Gen1 (1 x BC)

## SPECIAL FEATURES

### Factory Calibration

Yes (Avg. Delta E<2)

### KVM Switch

Yes

### PIP/PBP

Yes

## POWER

### Power Consumption (typ./max)

57W / 190W

### Power Consumption Sleep/Off Mode

< 0.5W

### Power Consumption Switch-off Mode

< 0.3W

### Power Supply

Internal

## MECHANICAL

### Tilt Angle (front/back)

-5° / 22°

### Swivel Angle (left/right)

+45° / -45°

### Lift (max. range)

110.0 mm

### Pivot

-90° / 90°

### VESA Mount Capability

Yes (100 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 / 23.8 mm

## DIMENSION

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

844.0 x 228.0 x 528.0 mm

33.23 x 8.98 x 20.79 inches

### Size Unpacked w/ Stand

(D x H x W, mm/inch) (lowest position)

350.0 x 607.85 x 726.7 mm

13.78 x 19.60 x 28.61 inches

### Size Unpacked w/o Stand

(D x H x W, mm/inch) (highest position)

350.0 x 607.8 x 726.7 mm

13.78 x 23.93 x 28.61 inches

### Size Unpacked w/o Stand

(D x H x W, mm/inch) (head only)

58.9 x 431.5 x 726.7 mm

2.32 x 16.99 x 28.61 inches

### Weight Packed (kg/lbs.)

14.30 kg / 31.32 lbs.

### Weight Unpacked (kg/lbs.)

10.97 kg / 24.18 lbs.

### Weight (monitor head only) (kg/lbs.)

6.97 kg/15.37 lbs.

## WHAT'S IN THE BOX

Monitor with stand

1 x Power cable

1 x DP-DP cable

1 x HDMI cable

1 x USB 3.0 cable

1 x Thunderbolt™ 3 cable (20Gbps)

1 x CD (ThinkColor)

Factory calibration report

Quick setup guide

## CERTIFICATION

### CCC

Yes

### TCO

8.0

### EPEAT

Silver

### RoHS (EU 2002/95/EC)

Yes

### Windows Certification

Windows 7, Windows 10

### China Energy Efficiency Standard

Tier 2

### TÜV Rheinland Eye Comfort

Yes

# ThinkVision P27u-10

**Superb Imagery. Exceptional User Experience.**

Expect uncompromising performance from this exceptional 4K Ultra-HD display. The 27" ThinkVision P27u-10 delivers truly vibrant color, exquisite detail and blur-free motion from edge-to-edge, at any viewing angle. Professional color management software ensures consistently rich imagery, perfect for creative and engineering applications. Elegant in any environment, users will love the convenience of single-cable connection for video, data and power.

## FEATURES OF THINKVISION P27u-10



### Impressive Display Quality

The 27" In-Plane Switching display delivers Ultra-HD (3840 x 2160) resolution with multi-color gamut (>99% Adobe RGB, 97% DCI-P3) for accurate edge-to-edge images and truly rich color.



### Ultimate Convenience

USB Type-C brings the simplicity of single-cable connection for video, data and power. Versatile connectivity options include 4 x USB 3.0<sup>1</sup> and 'always-on' device charging.



### Designed for Users

The near-edgeless screen, ergonomic multi-adjustable stand, and TÜV Rheinland Eye Comfort deliver an outstanding user experience, even in multi-screen setups.

<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 3.1 Gen 1; 10 Gbit/s for USB 3.1 Gen 2 & 20 Gbit/s for USB 3.2.

# ThinkVision P27u-10

## DISPLAY

**Panel Size**  
27-inch

**Screen Dimensions**  
596.74 mm x 335.66 mm

**Panel Type**  
In-Plane Switching

**Backlight**  
WLED

**Aspect Ratio**  
16:9

**Resolution**  
3840 x 2160

**Pixel Pitch**  
0.1554 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)

**Brightness (typical)**  
350 cd/m<sup>2</sup>

**Contrast Ratio (typical)**  
1000:1

**Dynamic Contrast Ratio**  
3M:1

**Color Gamut**  
99.5% Adobe RGB

**Color Support (typical)**  
1.07 Billion

**Color Depth**  
10-bit

**Anti-glare**  
Yes

## CONNECTIVITY

**Video Signal**  
1 x USB Type-C Gen1  
(DP1.2 Alt Mode)  
2 x HDMI 2.0  
1 x DP

**Audio Signal**  
1 x Audio Out (3.5 mm)

**USB Hub**  
Yes

## POWER

**Power Consumption (typ./max)**  
50W / 160W

**Power Consumption Sleep/Off Mode**  
< 0.5W

**Power Consumption Switch-off Mode**  
< 0.3W

**Power Supply**  
Internal

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

## MECHANICAL

**Tilt Angle (front/back)**  
-5° / 30°

**Swivel Angle (left/right)**  
+45° / -45°

**Lift (max. range)**  
110.0 mm

**Pivot**  
-90° / 90°

**VESA Mount Capability**  
Yes (100 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 / 24.5 mm

## DIMENSION

**Size Packed (D x H x W, mm/inch)**  
732.0 x 210.0 x 453.0 mm  
28.82 x 8.27 x 17.83 inches

**Size Unpacked w/ Stand  
(D x H x W, mm/inch) (lowest position)**  
269.8 x 403.3 x 611.6 mm  
10.62 x 15.88 x 24.08 inches

**Size Unpacked w/o Stand  
(D x H x W, mm/inch) (highest position)**  
611.6 x 269.8 x 513.3 mm  
10.62 x 20.21 x 24.08 inches

**Size Unpacked w/o Stand  
(D x H x W, mm/inch) (head only)**  
45.5 x 368.4 x 611.6 mm  
1.79 x 14.5 x 24.08 inches

**Weight Packed (kg/lbs.)**  
11.00 kg / 24.25 lbs.

**Weight Unpacked (kg/lbs.)**  
6.95 kg / 15.32 lbs.

**Weight (monitor head only) (kg/lbs.)**  
5.00 kg / 11.02 lbs.

## CERTIFICATION

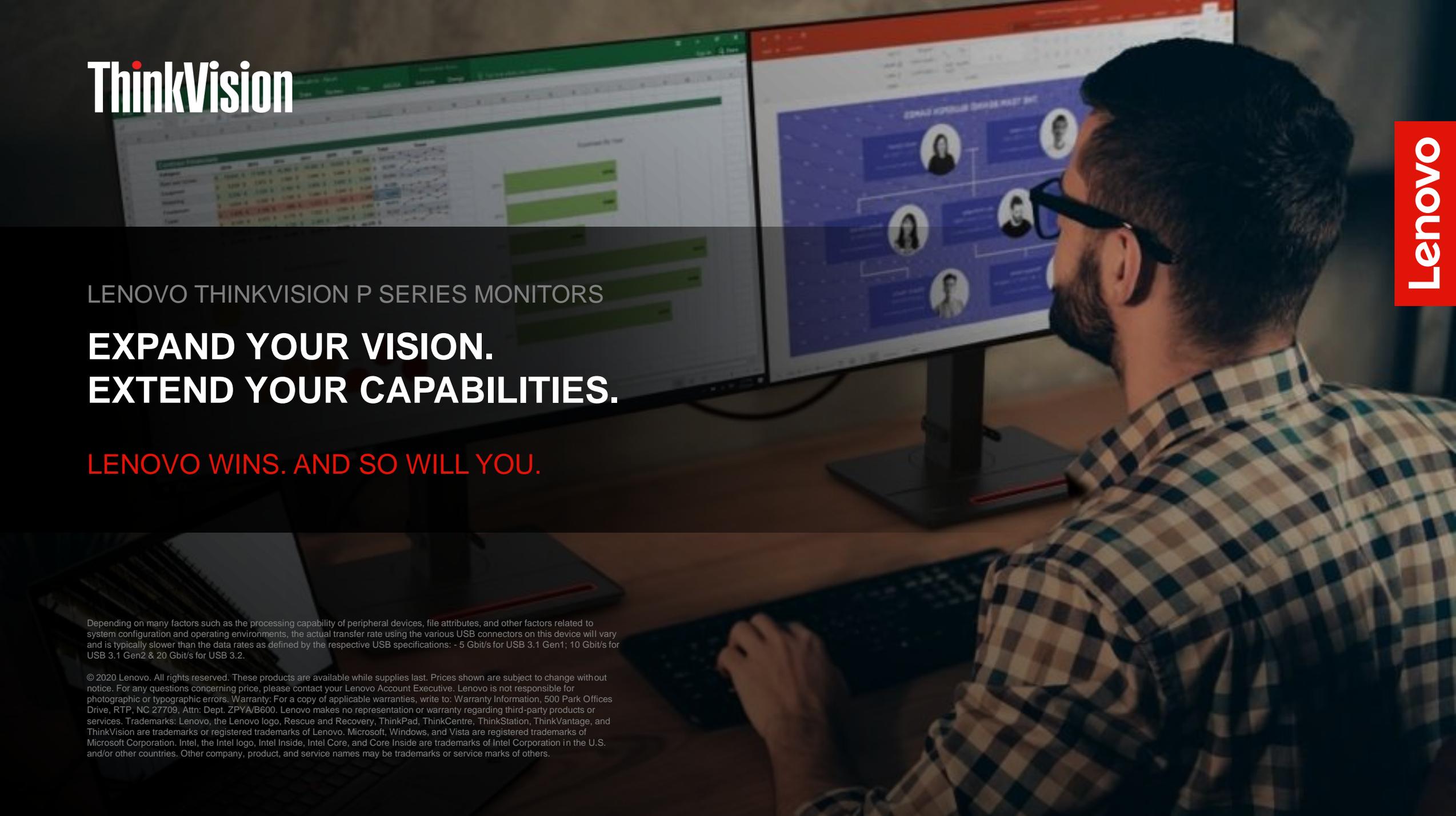
**TCO Edge**  
2.0

**RoHS (EU 2002/95/EC)**  
Yes

**Windows Certification**  
Windows 7, Windows 10

**China Energy Efficiency Standard**  
Tier 2

**TÜV Rheinland Eye Comfort**  
Yes



# ThinkVision

LENOVO THINKVISION P SERIES MONITORS

**EXPAND YOUR VISION.  
EXTEND YOUR CAPABILITIES.**

**LENOVO WINS. AND SO WILL YOU.**

**Lenovo**

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 3.1 Gen1; 10 Gbit/s for USB 3.1 Gen2 & 20 Gbit/s for USB 3.2.

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WHY P SERIES MONITORS

## DISPLAY THAT MAKES THINGS CLEAR

The P Series monitors come with UHD (4K) and QHD displays that allow users to enjoy crisp and vivid visuals. The 4K display offers an exceptionally detailed viewing experience and ensures high-quality color output. With larger displays, users can efficiently work on complex data and heavy content creation jobs. The In-Plane Switching panel on these monitors provides wide viewing angles and better color fidelity.



ThinkVision

WHY P SERIES MONITORS

## RICH COLORS FOR VIVID IMAGES

Experience detailed and natural visuals with up to 10 bit display that offers over 1 billion colors, 64x higher than the 16.7M colors of the conventional 8 bit displays. The natural transitions are a result of the internal, up to 14 bit LUT (lookup table).



ThinkVision



8 bit



10 bit



## WHY P SERIES MONITORS

# EXCEPTIONAL COLOR COVERAGE & ACCURACY

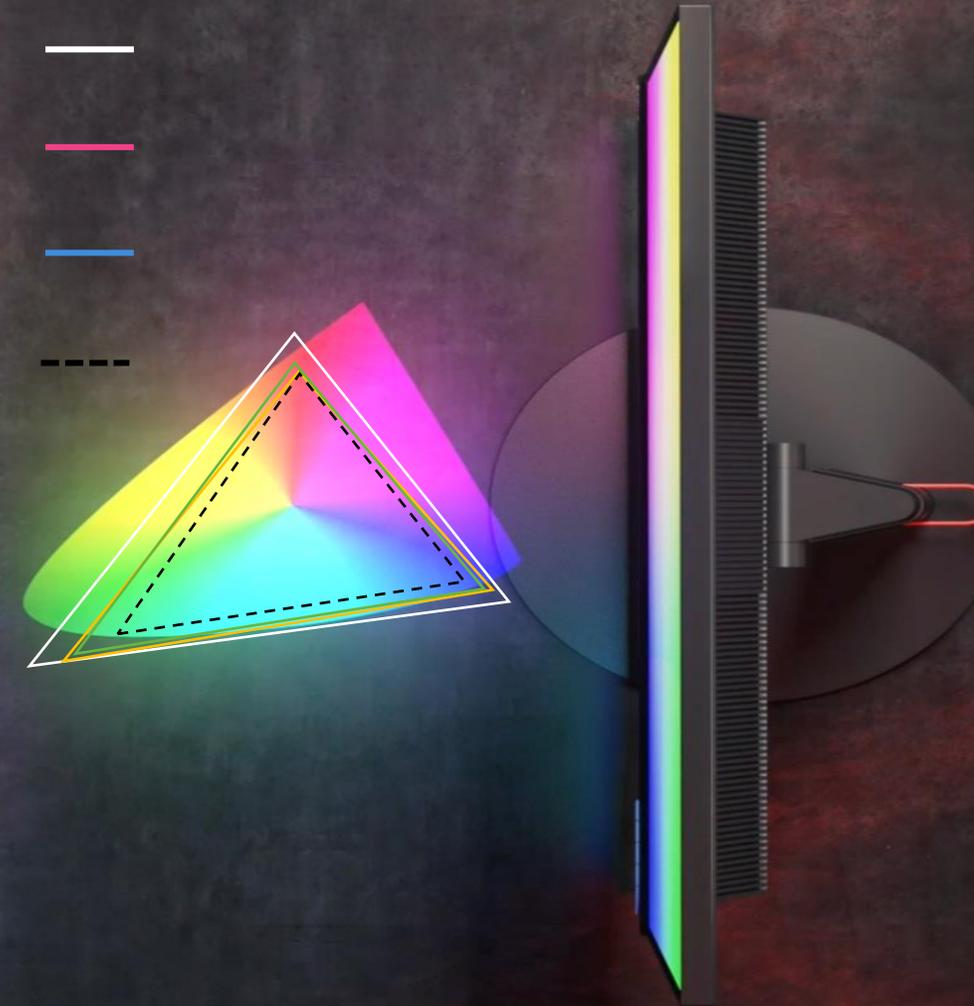
With more color coverage than the wide color gamut (e.g. Adobe RGB > 99%) that these monitors offer, users can experience abundant and natural color. Working with multiple peripherals is effortless on these monitors as the color accuracy ensures no color deviations take place. The multiple color spaces on this monitor cater to the specific needs of various professionals. Colors are pre-calibrated from the factory, accurate to  $\Delta E < 2$  (average). This feature helps industrial designers, graphic designers, and editors work on color-critical tasks like video editing and color correction.

Adobe RGB —

sRGB —

DCI-P3 —

BT.709 - - -



## WHY P SERIES MONITORS

# CONNECTIVITY REDEFINED

Transferring data, watching videos, or charging devices simultaneously on the P Series monitors are as effortless as it could be. The Thunderbolt™ 3 port enables one-cable connection to various peripherals. Some users frequently need to multitask, compare numerous datasets, or work on intensive content creation tasks. With the intuitive Thunderbolt™ 3 port, users can daisy chain up to two 4K independent displays and experience lightning-fast data transfers (up to 40 Gbps). Not only can users boost their productive capabilities, but can also explore more ways to work efficiently.



ThinkVision

# How ThinkVision USB-C Hub Monitor Benefits IT Managers

Enhance remote IT support and assets management.

## Remote IT support and customize access authority

### Case 1



### Mac Address Pass Through

Allow IT manager easily manage internet access authority for different types of employees, i.e. in co-working space, IT managers can detect who is using the monitor by the PC/NB Mac address, then grant different access authority to different ppl.

## Remote assets management at ease

### Case 2



### WoL (Wake-on-LAN):

Allow IT manager remotely **wake up PC\*** through the monitor

### PXE Boot (Network Booting):

Allow IT manager remotely **install PC OS** through the monitor

# TEAMWORK

