



4K LCD monitor with Ultra Wide-Color

- P Line
- 32 (viewable 31.5" / 80 cm)
- 3840 x 2160 (4K UHD)

328P6VJEB/89

## UltraClear 4K resolution, ultra-vivid color

for when it matters

The expansive 32" Ultra HD professional Philips display gives you the room to spread out, see the big picture and all the details in Ultra High Definition.

### Benefits

#### Brilliant performance

- UltraClear 4K UHD (3840x2160) resolution for precision
- Ultra Wide-Color wider range of colors for a vivid picture
- VA display delivers awesome images with wide viewing angles
- 1.074 billion colors for smooth color gradations and detail
- Less eye fatigue with Flicker-free technology

#### Designed for the way you work

- MultiView enables simultaneous dual connect and view
- SmartErgoBase enables people-friendly ergonomic adjustments

- Built-in stereo speakers for multimedia

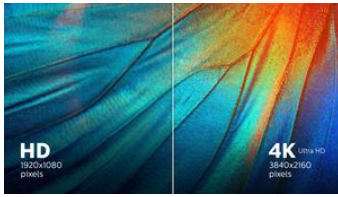
#### Easy to connect and enjoy

- SmartConnect with DisplayPort, HDMI and VGA connections
- MHL technology for enjoying mobile content on big screen
- HDMI for quick digital connection
- DisplayPort connection for maximum visuals
- USB 3.0 enables fast data transfers and smart phone charging

# PHILIPS

## Features

### UltraClear 4K UHD Resolution



These Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

### Ultra Wide-Color Technology



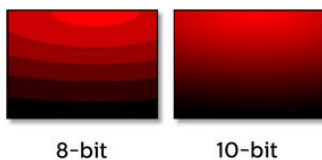
Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring, media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color Technology.

### VA display



Philips VA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web-browsing, movies, gaming, and demanding graphical applications. It's optimized pixel management technology gives you 178/178 degree extra wide viewing angle, resulting in crisp images.

### 10-bit colors



The 10-bit display delivers rich color depth with 1.074 billion colors and 12-bit internal processing for re-creating smooth, natural colors without gradations and color banding.

### Flicker-free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free

Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

### MultiView technology

With the ultra-high resolution Philips MultiView display you can now experience a world of connectivity. MultiView enables active dual connect and view so that you can work with multiple devices like a PC and notebook simultaneously, for complex multi-tasking.

### SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; cable management reduces cable clutter and keeps the workspace neat and professional.

### Built-in stereo speakers



A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

### SmartConnect for 4K

These Philips displays come equipped with the most advanced multi connections like VGA, Display Port, universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. New DisplayPort and HDMI 2.0 connection now enables full 4K resolution at 60Hz for smooth visuals. USB connections ensures that you can have super speed data transfers while having global connectivity. Regardless of what source you use, you can rest assured that this Philips display will ensure your investment is not made obsolete any time soon!

### MHL technology



Mobile High Definition Link (MHL) is a mobile audio/video interface for directly connecting mobile phones and other portable devices to high-definition displays. An optional MHL cable allows you to simply connect your MHL capable mobile device to this large Philips MHL display, and watch your HD videos come to life with full digital sound. Now not only you can enjoy your mobile games, photos, movies, or other apps on its big screen, you can simultaneously charge your mobile device so you never run out of power half way.

## HDMI ready



Enjoy crisp colorful images and audio with simple one-cable connection. An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. An HDMI cable enables high-quality smooth digital video (up to 4K/UHD resolution at 60 Hz) and audio all transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).

## DisplayPort connection



DisplayPort is a digital link from PC to Monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15meter cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates - making DisplayPort the best choice for not only general office or home use, but also for the demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

## Specifications

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### Picture/Display

LCD panel type	VA LCD
Backlight type	W-LED system
Panel Size	31.5 inch / 80.1 cm
Effective viewing area	698.4 (H) x 392.85 (V)
Display Screen	Anti-Glare, 3H, Haze 25%
Coating	
Aspect ratio	16:9
Optimum resolution	3840 x 2160 @ 60Hz
Response time (typical)	4 ms (Gray to Gray)*
Brightness	300 cd/m <sup>2</sup>
Contrast ratio (typical)	3,000:1
SmartContrast	50,000,000 :1
Pixel pitch	0.181 x 0.181 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Flicker-free	Yes
Picture enhancement	SmartImage
Display colors	Color support 1.07 billion colors
Color gamut (typical)	NTSC 95%
Scanning Frequency	30 - 83 kHz (H) / 56 - 76 Hz (V)
MHL	1080P @ 60Hz
Brightness uniformity	93 ~ 105%
sRGB	Yes

### Connectivity

Signal Input	VGA (Analog ) DVI-Dual Link (digital, HDCP) DisplayPort x 1 HDMI (2.0) - MHL x 1
USB	USB 3.0x4 (1 w/fast charging)*
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	PC audio-in Headphone out

## USB 3.0 super speed

Super Speed USB 3.0 deploys 5.0 gbit/s transfer rate, which is about 10 times faster than USB 2.0 standard significantly reducing data transfer time saving you time and money. With more bandwidth, super speed transfer rates, better power management and superior overall performance, USB 3.0 sets the global standard allowing you to use the large capacity storage devices. Sync-IN-Go technology ensures you don't have to wait anymore for bandwidth to be freed up. Your investment in USB 2.0 devices is protected as it is backward compatible.

### Convenience

Built-in Speakers	3 W x 2
MultiView	PIP/PBP mode 2x devices
User convenience	SmartImage Multiview User Menu Power On/Off
Control software	SmartControl
OSD Languages	Brazil Portuguese Czech Dutch English Finnish French German Greek Hungarian Italian Japanese Korean Polish Portuguese Russian Simplified Chinese Spanish Swedish Traditional Chinese Turkish Ukrainian
Other convenience	Kensington lock VESA mount (100x100mm)
Plug & Play Compatibility	DDC/CI Mac OS X sRGB Windows 10 / 8.1 / 8 / 7

<b>Stand</b>		MTBF (demonstrated)	70,000 hrs (excluded backlight)
Height adjustment	180 mm	<b>Sustainability</b>	EnergyStar 8.0 EPEAT* TCO Certified Edge RoHS 100 %
Pivot	90 degree		
Swivel	-170/+170 degree		
Tilt	-5/20 degree		
<b>Power</b>		Environmental and energy	PVC / BFR free housing Mercury free
ECO mode	28 W (typ.)	Recyclable packaging material	
On mode	31.71 W (EnergyStar test method)	Post consumer recycled plastic	
Standby mode	<0.5 W (typ.)	Specific Substances	
Off mode	Zero watts with Zero switch		
Power LED indicator	Operation - White Standby mode- White (blinking)		
Power supply	Built-in 100-240VAC, 50-60Hz		
<b>Dimensions</b>		<b>Compliance and standards</b>	
Product with stand(max height)	742 x 657 x 270 mm	Regulatory Approvals	CE Mark FCC Class B ICES-003 cETLus EPA PSB CU-EAC SEMKO SASO KUCAS UKRAINIAN PSE WEEE TUV Ergo TUV/GS CB
Product without stand (mm)	742 x 438 x 63 mm		
Packaging in mm (WxHxD)	970 x 526 x 224 mm		
<b>Weight</b>			
Product with stand (kg)	9.23 kg		
Product without stand (kg)	6.27 kg		
Product with packaging (kg)	13.39 kg		
<b>Operating conditions</b>		<b>Cabinet</b>	
Temperature range (operation)	0°C to 40°C °C	Front bezel	Black
Temperature range (storage)	-20°C to 60°C °C	Rear cover	Black
Relative humidity	20%-80 %	Foot	Black
Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)	Finish	Texture

- \* This Philips display is MHL certified. However, in case your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for direction. The policy of your device manufacturer may require you to purchase their brand specific MHL cable or adapter in order to work
- \* Requires optional MHL certified mobile device and MHL cable. (not included) Please check with your MHL device vendor for compatibility.
- \* Standby/Off energy saving of ErP is not applicable for the MHL charging functionality
- \* For complete list of MHL-enabled products refer to [www.mhlconsortium.org](http://www.mhlconsortium.org)
- \* EPEAT rating is valid only where Philips registers the product. Please visit <https://www.epeat.net/> for registration status in your country.
- \* Fast charging complies with USB BC 1.2 standard
- \* Response time value equal to SmartResponse



data subject to change  
2021, May 19

Version: 3.0.1  
EAN: 8712581761929

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