LCD monitor with USB-C Dock

- P Line
- 32 (viewable 31.5"/80 cm)
- Quad HD (2560 x 1440)

328P6AUBREB/00

Simplify your connections

with USB-C docking monitor

This Philips Brilliance monitor with USB-C docking replaces cable clutter. View QHD images, secure connect to intranet and re-charge your notebook all at the same time with a single USB-C cable.

Benefits

Single cable USB-C connection

- Built-in USB-C docking station
- Connect your notebook with one USB-C cable
- Power and re-charge compatible notebook from the monitor
- View Crystalclear QHD 2560 x 1440 images
- USB 3.1 high-speed data transfer
- Built-in RJ-45 Ethernet gives data security

True-to-life colourful images

- High Dynamic Range (HDR) for more lifelike colourful visuals

- Pro colour standards 99% Adobe RGB, 100% sRGB
- 10-bit IPS technology for full colours and wide viewing angle
- LowBlue Mode for easy-on-the-eyes productivity

Sustainable Eco-design

- 100% recyclable packaging
- PVC-BFR free housing

PHILIPS

Features

Built-in USB-C docking station

This Philips display features a built-in USB 3.1 type-C docking station with power delivery. Its slim, reversible USB-C connector allows for easy, one-cable docking. Simplify by connecting all of your peripherals like keyboard, mouse and your RJ-45 Ethernet cable to the monitor's docking station. Simply connect your notebook and this monitor with a single USB-C cable to watch high-resolution video and transfer super-speed data, while powering up and re-charging your notebook at the same time.

Power and re-charge notebook

This monitor features a built-in USB-C connector that meets USB Power Delivery standard. With intelligent and flexible power management, you can now power up and/or re-charge your compatible* Notebook directly from the Monitor using a single USB-C cable.

Crystalclear QHD images

These latest Philips screens deliver CrystalClear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilising high-performance panels with a high-density pixel count, enabled by high-bandwidth sources like DisplayPort, HDMI, Dual link DVI, these new displays will make your images and graphics come alive. Whether you are a demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you CrystalClear images.

High Dynamic Range (HDR)

High Dynamic Range delivers a dramatically different visual experience. With astonishing brightness, incomparable contrast and captivating colour, images come to life with much greater brightness while also featuring much deeper, more nuanced darks. It renders a fuller palette of rich new colours never before seen on a display, giving you a visual experience that engages your senses and inspires emotions.

AdobeRGB

Meeting professional industry-standard colour, this monitor offers Adobe 99% and 100% sRGB colour spectrum. The enhanced colour rendering range of Adobe RGB makes it ideal for professional photo and video editing, animation or work with colour-critical projects. You can now be confident that your colour is consistent and true to the original image.

10-bit IPS display technology

This Philips monitor uses a native 10-bit wide view angle display. This enables you to view consistent and smooth images with a colour depth of 1.07 billion colours, vs an 8-bit display which is limited to only 16 million possible colours. With a suitable graphics card and appropriate software, you can now work on your colour-critical professional work with ease.

LowBlue Mode

Studies have shown that just as ultra-violet rays can cause eye damage, shortwave-length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

Sustainability

Philips is committed to using sustainable, eco-friendly materials across its monitor range. All body plastic parts, metal chassis parts and packing materials use 100% recyclable materials. In selected models, we utilise >= 65% Post-Consumer Recycled plastics, ensuring reduction in waste. Strict adherence to RoHS standards ensures substantial reduction or elimination of toxic substances like Lead and Mercury. Our display housing is made up of PVC/BFR-free material. For more information, please visit Philips @ http://www.asimpleswitch.com/global/ to learn more.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Picture/Display

LCD panel type	IPS technology
Backlight type	W-LED system
Panel Size	31.5 inch/80.1 cm
Display Screen Coating	Anti-Glare, 3H, Haze 25%
Effective viewing area	698.11 (H) x 392.69 (V)
Aspect ratio	16:9
Optimum resolution	2560 x 1440 @ 60Hz
Pixel Density	93 PPI
Response time (typical)	4 ms (Grey to Grey)*
Brightness	450 cd/m²
Contrast ratio (typical)	1200:1
SmartContrast	50,000,000:1
Pixel pitch	0.2727 x 0.2727 mm
Viewing angle	178° (H)/178° (V) @ C/R > 10
Flicker-free	Yes
Picture enhancement	SmartImage
Display colours	Colour support 1.07 billion colours
Colour gamut (typical)	Adobe RGB 99% (CIE 1976)
HDR	DisplayHDR 400 (HDMI)
Scanning Frequency	Horizontal: 30-99 KHz (VGA/DP/USB type-C); 30-160 KHz (HDMI) / Vertical: 56-76 Hz
SmartUniformity	96% ~ 103%
Delta E	< 2
sRGB	Yes
EasyRead	Yes
LowBlue Mode	Yes

Connectivity

Signal Input	VGA (Analogue), DisplayPort 1.2, HDMI 2.0 x 1, USB-C 3.1 Gen 1 x 1, USB 3.1 Gen 1 x 2 (downstream, w/ fast charging BC 1.2)*
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	PC audio-in Headphone out
RJ45	Ethernet LAN (10M/100M/1G)

USB-C docking

USB-C	Reversible plug connector
Super speed	Data and Video transfer
DP	Built-in Display Port Alt mode
Power Delivery	USB PD version 2.0
Max power delivery	Up to 60 watts (5V/3A; 7V/3A; 9V/3A; 12V/3A; 15V/3A; 20V/3A)

Convenience

Built-in Speakers	3 W x 2
User convenience	SmartImage Input Brightness 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 (100 x 100 mm)
Plug and Play Compatibility	DDC/CI Mac OS X sRGB Windows 10 / 8.1 / 8 / 7

Stand

Height adjustment	180 mm
Pivot	90 degree
Swivel	-170/+170 degree
Tilt	-5/20 degree

Power

ECO mode	31.9 W (typ.)
On mode	32.4 W (EnergyStar 7.0 test method)
Standby mode	<0.5 W (typ.)
Off mode	Zero watts with Zero switch
Energy Label Class	C
Power LED indicator	Operation - White Standby mode - White (flashing)
Power supply	Built-in 100-240 VAC, 50-60 Hz

Dimensions

Product with stand (max height)	742 x 657 x 270 mm
Product without stand (mm)	742 x 438 x 63 mm
Packaging in mm (W x H x D)	970 x 526 x 224 mm

Weight

Product with stand (kg)	9.70 kg
Product without stand (kg)	6.74 kg
Product with packaging (kg)	13.86 kg

Operating conditions

Temperature range (operation)	0°C to 40°C °C
Temperature range (storage)	-20°C to 60°C °C
Relative humidity	20%–80% %
Altitude	Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
MTBF (demonstrated)	70,000 hrs (excluded backlight)

Sustainability

Environmental and energy	EnergyStar 7.0 EPEAT Gold* RoHS
Recyclable packaging material	100 %
Post-consumer recycled plastic	65%
Specific Substances	PVC/BFR free housing Mercury free Lead free

Compliance and standards

Regulatory Approvals
CE Mark
FCC Class B
VCCI
RCM
BSMI
ICES-003
J-MOSS
cETLus
EPA
PSB
CU-EAC
SEMKO
SASO
KUCAS
UKRAINIAN
PSE
CECP

WEEE
TUV Ergo
TUV/GS

Cabinet

Front bezel	Black
Rear cover	Black
Foot	Black
Finish	Texture

What's in the box?

Monitor with stand	Yes
Cables	D-Sub cable, DP cable, HDMI cable, USB-C to USB-C cable, USB-C to USB-A cable, Power cable, Audio cable
User Documentation	Yes

* For Video transmission via USB-C, your Notebook/device must support USB-C DP Alt mode

* Activities such as screen sharing and online streaming over the Internet can impact your network performance. Your hardware and network bandwidth will determine the overall audio and video quality.

* For USB-C power and charging function, your Notebook/device must support USB-C standard Power Delivery specifications. Please check with your Notebook user manual or manufacturer for more details.

* Response time value equal to SmartResponse

* The monitor may look different from feature images.

* EPEAT Gold or Silver is valid only where Philips registers the product. Please visit www.epeat.net for registration status in your country.

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