



Philips Evnia Gaming
Monitor
OLED gaming monitor

Evnia 8000

42 (41.54" / 105.5 cm diag.)
3840 x 2160 (4K UHD)



42M2N8900

Gaming beyond innovation

Be prepared to get stunned by the precise color reproduction of Evnia OLED gaming monitor. The innovative Ambiglow redefines what gaming environment usually is, levelling up not only your game gear, but also your gaming experience.

Built for fast action

- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- VESA ClearMR 8000: for trusted, high-quality imagery
- Low input lag reduces time delay between devices to monitor
- SmartImage game mode optimized for gamers

Immersive visuals

- OLED display for lifelike visuals with deeper black details
- Ultra Wide-Color wider range of colors for a vivid picture
- True 10-bit display reproduces smoother gradients on visuals
- UltraClear 4K UHD (3840x2160) resolution for precision

Features designed for gamers needs

- LowBlue mode and Flicker-free easy-on-the eyes viewing
- Enhanced audio with DTS Sound™
- Access and display multiple sources on two devices
- Ambiglow intensifies entertainment with halo of light

EVNIA

PHILIPS

OLED gaming monitor
Evnia 8000 42 (41.54" / 105.5 cm diag.), 3840 x 2160 (4K UHD)

42M2N8900/01

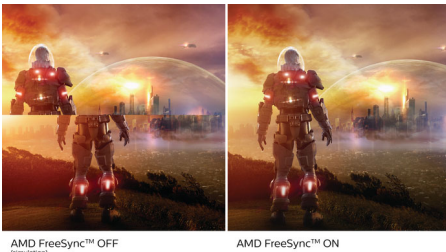
Highlights

Philips OLED display



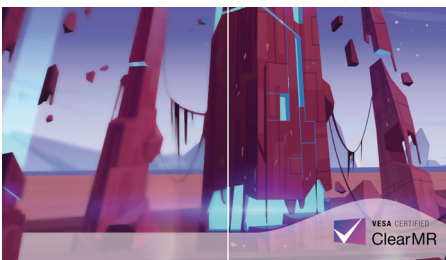
This Philips OLED display delivers a wider viewing angle and a uniquely lifelike visuals. Deeper black for stunning viewing experience. Details in shadows and highlights are precisely reproduced.

AMD FreeSync™ Premium



Gaming shouldn't be a choice between choppy gameplay or broken frames. AMD FreeSync™ Premium equips serious gamers with a fluid, tear-free gameplay experience at peak performance. There are no compromises, game confidently with a high refresh rate, low framerate compensation, and low latency.

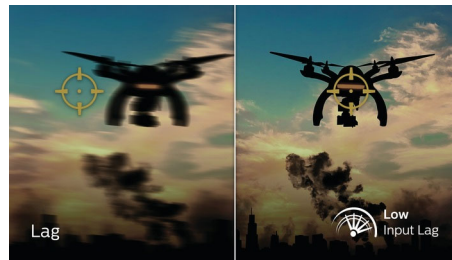
VESA ClearMR 8000



Previously, methods to test blurry imagery were measured through MRPT. VESA Certified ClearMR acts as an alternative to MRPT and blur is tested with a digital high-speed camera. For monitors that are sent in

and certified through VESA Certified ClearMR, you can rest assured that you will have an accurate assessment of the monitor's blur quality. Each certification is defined through a CMR range, with the highest tier being VESA ClearMR 8000. With this monitor being ClearMR 8000 classified, it has one of the highest classifications of image quality, meaning less overall blur.

Low input lag



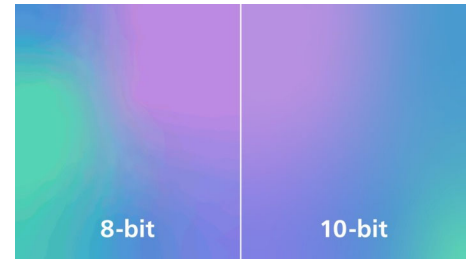
Input lag is the amount of time that elapses between performing an action with connected devices and seeing the result on screen. Low input lag reduces the time delay between entering a command from your devices to monitor, greatly improve on playing twitch-sensitive video games, particularly important to whom plays fast-paced, competitive games.

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.

True 10-bit color depth



With this Philips true 10-bit color display, you can see color critical professional work of exceptional color accuracy and meeting professional standards. Compared with conventional 8-bit color display, this Philips monitor produces a more natural transition between hues for smoother gradients.

LowBlue mode & Flicker-free



Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

DTS Sound™



DTS Sound is an audio processing solution designed to optimize the playback of music, movies, streaming and games on the PC regardless of form factors. DTS Sound enables an immersive virtual surround sound experience, complete with rich bass and dialog enhancement and maximized volume levels free of any clipping or distortion.



Specifications

Picture/Display

- Monitor Panel Type: OLED
- Panel Size: 41.54 inch / 105.5 cm
- Display Screen Coating: Anti-Glare, Low-reflection 2%, Haze 25%
- Effective viewing area: 919.68 (H) x 517.32 (V)
- Pixel format: RVBGB Strip arrangement
- Aspect ratio: 16:9
- Maximum resolution: 3840 x 2160 @ 138 Hz* (overclock)
- Pixel Density: 106.06 PPI
- Response time (typical): 0.1 ms (Gray to Gray)*
- Low Input Lag
- Brightness: Peak: 450 nit, Normal: 135 nit
- SmartContrast: Mega Infinity DCR
- Contrast ratio (typical): 1,500,000:1
- Pixel pitch: 0.2395 x 0.2395 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10000
- Flicker-free
- HDR: HDR 10 supported
- Color gamut (min.): DCI-P3: 98.5%*
- Color gamut (typical): NTSC 110.3%*, sRGB 131.3%*, Adobe RGB 93.6%*
- Picture enhancement: SmartImage game
- Display colors: Color support 1.07 billion colors (10 bit)
- Scanning Frequency: 30 - 255 kHz (H) / 48 - 138 Hz (V)
- LowBlue Mode
- EasyRead
- Delta E: < 2 (sRGB)
- sRGB
- Ambiglow: 3-sided
- AMD FreeSync™ technology: Premium

Connectivity

- Signal Input: HDMI 2.1 x 2, DisplayPort 1.4 x 1, USB-C x 1 (DP Alt mode, Power Delivery)
- HDCP: HDCP 1.4 (HDMI / DisplayPort / USB-C), HDCP 2.2 (HDMI / DisplayPort / USB-C), HDCP 2.3 (HDMI / DisplayPort / USB-C)
- USB Hub: USB version 3.2 Gen1 / 5Gbps, USB-B upstream x 1, USB-A downstream x 4 (with 2 for fast charge B.C 1.2)
- Audio (In/Out): Audio out
- Sync Input: Separate Sync

Power Delivery

- Version: USB PD version 3.0
- Max power delivery: USB-C up to 90 W (5V/3A, 7V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/4.5A)

Convenience

- Built-in Speakers: 10 W x 2, DTS
- MultiView: PIP/PBP mode, 2x devices
- KVM
- User convenience: Power On/Off, Menu/OK, Input/Up, Game Settings/Down, SmartImage game/Back
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish,

- Portuguese, Russian, Spanish, Simplified Chinese, Swedish, Turkish, Traditional Chinese, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8

Stand

- Height adjustment: 120 mm
- Swivel: -/+ 20 degree
- Tilt: -5/15 degree

Power

- On mode: 69.6 W (typ.)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.3 W (typ.)
- Energy Label Class: G
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Internal, 100-240VAC, 50-60Hz

Dimensions

- Product with stand(max height): 932 x 689 x 359 mm
- Product without stand (mm): 932 x 535 x 79 mm
- Packaging in mm (WxHxD): 1070 x 635 x 188 mm

Weight

- Product with stand (kg): 17.30 kg
- Product without stand (kg): 13.84 kg
- Product with packaging (kg): 21.01 kg

Operating conditions

- Temperature range (operation): 0°C to 40 °C
- Temperature range (storage): -20°C to 60 °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 30,000 hour(s)

Sustainability

- Environmental and energy: RoHS
- Recyclable packaging material: 100 %
- Specific Substances: Mercury free, PVC / BFR free housing

Compliance and standards

- Regulatory Approvals: CB, CE Mark, FCC Class B, ICES-003, CU-EAC, EAEU RoHS, TUV/ISO9241-307, TUV-BAUART, cETLus

Cabinet

- Color: White
- Finish: Textured

What's in the box?

- Monitor with stand
- Cables: HDMI cable, DisplayPort cable, USB upstream cable, USB-C to USB-C cable, Power cable
- User Documentation
- Accessory: Remote control, VESA bracket

Issue date 2023-08-24

© 2023 Koninklijke Philips N.V.
All Rights reserved.

Version: 5.3.3

Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips N.V.
or their respective owners.

12 NC: 8670 001 86167
EAN: 87 12581 79871 0

www.philips.com

* For best output performance, please always ensure that your graphic card is capable of achieving the maximum resolution and refresh rate of this Philips display.

* Response time value equal to SmartResponse

* DCI-P3 Coverage based on CIE1976

* NTSC Area based on CIE1976

* sRGB Area based on CIE1931

* Adobe RGB Coverage based on CIE1976

* 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.

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

* 2020 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, AMD FreeSync™ and combinations thereof are trademarks of Advanced Micro Devices, Inc. Other product names used in this publication are for identification purposes only and may be trademarks of their respective companies.

* The monitor may look different from feature images.