tehnoteka

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Informacije o proizvodu (EN)

HP monitor 31.5'' IPS 4K OMEN 32x Gaming (99Z68E9)



Cenoteka je online destinacija za upoređivanje cena i karakteristika bele tehnike, potrošačke elektronike i IT uređaja kod trgovinskih lanaca i internet prodavnica u Srbiji. Naša stranica vam omogućava da istražite najnovije informacije, detaljne karakteristike i konkurentne cene proizvoda.

Posetite nas i uživajte u ekskluzivnom iskustvu pametne kupovine klikom na link:

https://cenoteka.rs/p/hp-monitor-315-ips-4k-omen-32x-gaming-99z68e9/

Datasheet

OMEN by HP 31.5 inch UHD 144Hz Smart Gaming Monitor - OMEN 32x

Smart Plays with OMEN

The OMEN 32x Smart Gaming Monitor redefines what it means to game, stream, and go live as you share content right from your screen and with enough options to connect everything you need – including Android™ phones. Embrace the future of gaming with the one smart monitor that meets all your needs.



*Product image may differ from actual product

Visuals That Stun

Be stunned by incredible visuals and performance on this 4K UHD gaming monitor with Dolby Vision™.[2] Stay stutter-free with NVIDIA G-SYNC compatibility[5] and enjoy a smooth screen experience at 144 Hz for minimal lag.[4]

Everything you stream. All on one screen.

The entertainment you love. With a little help from Google. No more jumping from app to app. Google TV™[1] brings together movies and shows from all of your subscriptions. Need inspiration? Get curated recommendations, use Google's powerful search to find shows across 10,000+ apps, or browse hundreds of free channels. And with personalized profiles, everyone's experience is customized for them.[16]

Do More Than Game

Live stream directly from your screen to multiple platforms simultaneously with Mulit-Platform Streamer Honors[14] or split your screen using Multi-View,[15] enabling you to cast your phone to your monitor while gaming to keep up with your favorite streamers or keep your chat open while you stay in the game.

Sustainability in action

Materials that Matter

It matters. With at least 85% recycled plastic,[6] 15% recycled metal including 90% recycled aluminum in the stand,[7] and 20% recycled glass in the monitor panel [17], we are in this together.[8,9]

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Featuring

Google TV
The entertainment you love. With a little help from Google. No more jumping from app to app. Google TV brings together your movies, shows, and more from across your subscriptions, so they're in one place.[1,16]

Home panel on Google TV
Make Google TV the center of your smart home. Control lights, temperature, and more from the new home panel, get doorbell notifications and full-screen views of your cameras, and use your voice to control it all—just ask Google Assistant.[10]

UHD Panel
Give all your entertainment a new level of immersion with impressive 4k resolution.[4]

144 Hz refresh rate
For crisp action and responsive gameplay, this fast refresh rate practically removes all artifacting and motion blurring.[4]

IPS Technology
No matter where you stand, IPS panel technology delivers clear, vivid images. IPS technology ensures image accuracy and consistency across ultrawide 178-degree viewing angles, so you can get lost in your gameplay from any angle.[5]

VESA DisplayHDR™ 400
Explore new worlds in stunning contrast with VESA DisplayHDR™ 400. With peak brightness of 400 nits and 1000:1 contrast ratio, experience games how the developers intended with brighter whites, deeper blacks, and richer colors.[3,4]

NVIDIA® G-SYNC® Compatible
Enjoy variable refresh rates with NVIDIA® G-SYNC® compatibility, tested and certified to deliver gameplay that is sharp, fluid, and stutter-free with minimal input lag.[5]

65W USB-C® Power Delivery
With just one cable, you get fast 65W USB-C® Power Delivery, efficient charging, video support, data transfer and the full gaming experience.[1]

A little help on your big screen.
Ask Google Assistant to help you find answers, prepare for and streamline your day, and more – right from your TV.[1]

Multi-View
Split your screen wirelessly with casting on the right hand side and using a wired connection on the left.[15]

Multi-Platform Streamer Honors
Run your live stream across multiple platforms, right from your display.[14]

Shared KB/M
Easily switch your keyboard and mouse across multiple devices, streamlining your setup.

Remote Control
The remote control supports both Bluetooth and infrared. Switch inputs, adjust settings, and control your experience, all from one device.

VESA Certified ClearMR
Clear Motion Ratio (CMR), provides a clear numerical value based on the ratio of clear pixels to blurry pixels, which allows you to easily compare the amount of motion blur between VESA Certified ClearMR displays.[11]

Dolby Vision™ and Dolby Atmos™
Feel every moment, visual, and sound come to life with Dolby™ support. Immerse yourself from all angles that makes your experience feel more alive.[2]

Multiplatform Capabilities
Easily connect your PCs and consoles with DisplayPort™, HDMI, and USB-C inputs and keep your accessories organized with the convenience of the USB Hub.

Four Integrated 3W Speakers
No headset? No problem. The integrated 3W speakers deliver crystal-clear audio without adding additional cables or external speakers to your desk.

VESA Certified AdaptiveSync
VESA Certified AdaptiveSync guarantees higher refresh rates and low latency, optimized for gaming, plus a lab-certified max refresh rate so you know your display's full potential.[12]

AMD FreeSync™ Technology
Every gamer deserves perfectly smooth gameplay and peak performance. Game confidently with a high refresh rate, low framerate compensation, and low latency. AMD FreeSync™ certified monitors are here.[13]

Wake on Network
Cast to the monitor, even while it's asleep, with Wake on Network.

HP Eye Ease with Eyesafe® Certification
Built right into the display, with no need to adjust settings or worry about a compromised color experience, HP Eye Ease with Eyesafe® Certification provides beautiful color while reducing blue light to keep your screentime comfortable.

Adjustable stand
Make your desk just how you like it with the adjustable stand. Find comfort while you game with tilt and 100 mm height adjustments.

NVIDIA GeForce Now
Unlock cloud gaming with NVIDIA GeForce NOW. Play your favorite PC games on any device with high resolution, ultra-low latency, and GeForce Performance.[5]

OMEN by HP 31.5 inch UHD 144Hz Smart Gaming Monitor - OMEN 32x

Specifications

Display specifications

Display size	80 cm (31.5")[1]
Viewable diagonal size	31.5" (80 cm)
Aspect ratio	16:9[1]
Curvature	Flat
Native resolution	4K UHD (3840 x 2160)[1,2]
Resolution (maximum)	4K UHD (3840 x 2160 @ 144 Hz)[1]
Resolutions supported	640 x 480 @ 60 Hz; 800 x 600 @ 60 Hz; 1024 x 768 @ 60 Hz; 1280 x 720 @ 60 Hz; 1920 x 1080 @ 60 Hz; 2560 x 1440 @ 60 Hz; 2560 x 1440 @ 100 Hz; 2560 x 1440 @ 120 Hz; 3840 x 2160 @ 30 Hz; 3840 x 2160 @ 60 Hz; 3840 x 2160 @ 100 Hz; 3840 x 2160 @ 120 Hz; 3840 x 2160 @ 144 Hz
Panel type	IPS; LCD[1]
Bezel	3-sided borderless
Panel active area	69.81 x 39.26 cm
Panel bit depth	10 bit (8 bit + FRC)[1]
Display colors	Up to 1.07 billion colors supported[1,3]
Display color gamut	99% sRGB; 95% Display P3[1]
Calibrated color presets	99% sRGB
HDR Support	VESA DisplayHDR™ 400
Refresh rate (maximum)	144 Hz[1]
Display scan frequency	24-144 Hz (Vertical)[1]; 30-334 kHz (Horizontal)[1]
Response time	1ms GtG (with overdrive)[1]
Brightness	400 nits[1]
Contrast ratio	1000:1 (Static)[1] 10,000,000:1 (Dynamic)[1]
Pixel pitch	0.1818 x 0.1818 mm[1]
Pixels per inch (ppi)	140 ppi
Viewing angle	178° (Vertical) 178° (Horizontal)
Backlight type	Local dimming
Backlight lamp life	30,000 hours
Display features	AMD FreeSync™ Premium; Integrated speakers; HP Eye Ease (Eyesafe® certified); NVIDIA® G-SYNC® Compatible; Height adjustable; Tilt; VESA ClearMR 6000 certified; Multi-View[1]
Display User Control Options	System; Channels and Inputs; Display and Sound; Network and Internet; Accounts and Profiles; Privacy; Apps; Accessibility; Remotes and Accessories; Help and Feedback
Remote manageability	In-Band Wake on LAN (WoL)[12]
Low blue light modes	Yes, HP Eye Ease (Eyesafe® Certified)[1]
Flicker-free	Yes (TÜV certified)
Screen treatment	Anti-glare
Hardness	3H[1]
Haze	25%
VESA mount	100 x 100 mm (bracket included)
Adjustability	Height adjustment range: 100 mm Tilt: -5 to +20°
Speaker output power	4 x 3 W;
Audio features	Dolby Atmos®

Connectivity and communications

Port and connectors	2 HDMI 2.1 1 DisplayPort™ 1.4 1 x 3.5 mm Audio Jack (Audio Out) 1 USB Type-C® (65W USB Power Delivery, Alt mode DisplayPort™ 1.4) 2 USB 2.0 Type-A (Battery Charging 1.2) 1 RJ-45 (100 Mbps, for Android TV™ OS use only)
HDCP	Yes, DisplayPort™, HDMI and USB Type-C®
Power supply	100 - 240 VAC 50/60 Hz[1] (Internal)

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Specifications

Appearance

Product color	Black
Stand color	Black
Detachable stand	Yes
Base area footprint	22.49 x 23.49 cm
Dimensions without Stand (W x D x H)	71.41 x 5.76 x 43 cm (without stand)
Dimensions with stand (W x D x H)	71.41 x 24.33 x 62.08 cm
Weight	10.58 kg (with stand); 7.79 kg (without stand)
Packaged Dimensions (W x D x H)	82.1 x 18.5 x 52.5 cm
Packaged weight	15.7 kg

Certification and compliance

Energy efficiency class	G 
On mode power demand in Standard Dynamic Range (SDR)	33 W
On mode power demand in High Dynamic Range (HDR) mode	50W
Standby mode power demand	0.5 W
Ecolabels	Ukraine EE; Korea MEPS; California CEC
Sustainable impact specifications	Low halogen; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Contains 20% recycled glass in the monitor panel; Contains at least 80% post-consumer recycled plastic; At least 15% recycled metal including 90% recycled aluminum in the stand; Outside box and corrugated cushions are 100% sustainably sourced or recyclable; Contains at least 5% ocean-bound plastic in the enclosure[5,6,7,8,9,10,11]
Certifications	BIS; BSMI; CB; CCC; CE; cTUVus; EAC; FCC; ISO 9241-307; KC; KCC; NOM; PSB; TUV-S; VCCI; Vietnam MEPS; WEEE; ISC; WW application; ICE; NRCS; KMEPS
Microsoft WHQL certification	Windows 11; Windows 10
Environmental	Operating temperature range: 5 to 35°C Non-operating temperature range -40 to 65°C Operating humidity: 20 to 80% RH (non-condensing) Non-operating humidity: 5 - 95 % Operating altitude: Up to 5,000 m Non-operating altitude:

Additional information

Part Number	P/N: 99Z68E9#ABB:; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ; UPC code: (ABB) 197961164374; (UUZ) 197961164381
Manufacturer Warranty	HP two-year limited warranty
Zero bright dot warranty	Yes
Support service included	HP 2 Year Pickup and Return Service for Consumer Monitors. For terms and conditions, please visit https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA3-8281EEE & https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123EECH.pdf
What's in the box	Monitor; DisplayPort™ cable; HDMI cable; Documentation; Warranty card; AC power cable; Quick Setup Poster; 1 USB Type-C® to Type-C cable; Cable holder; 2 x AAA batteries; IR and Bluetooth® remote control[4]

Logistic information

Pallet (layers)	4
Products per layer	6
Products per pallet	24

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Footnotes

Messaging Footnotes

[1] Requires Internet connection. Subscriptions for services may be required. See Google for more details.
[2] Dolby, Dolby Vision, Dolby Atmos, and the double-D symbol are registered trademarks of Dolby Laboratories Licensing Corporation. Manufactured under license from Dolby Laboratories Licensing Corporation. Confidential unpublished works. Copyright © 2013-2024 Dolby Laboratories. All rights reserved.
[3] DisplayHDR™ is the high-performance Monitor and Display Compliance Test Specification from VESA specifying HDR (High Dynamic Range) quality. See http://displayhdr.org for more details.
[4] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.
[5] ©2024 NVIDIA, the NVIDIA logo, and NVIDIA G-SYNC are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries.
[6] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT® standard for computers, IEEE 1680.1-2018 standard.
[7] Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
[8] 100% outer box/corrugate cushion packaging made from sustainably sourced certified or recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.
[9] Recycling facilities not available in all locations.
[10] Devices sold separately.
[11] VESA Certified ClearMR is the high-performance Monitor and Display Compliance Test Specification from VESA that provides a clear numerical value based on the ratio of clear pixels to blurry pixels. See https://www.clearmr.org/ for more details.
[12] VESA Certified Adaptive Sync is the high-performance Monitor and Display Compliance Test Specification from VESA specifying display visual performance on variable refresh rate displays. See https://www.adaptivesync.org/ for more details.
[13] FreeSync™ is an AMD® technology that requires mandatory low framerate compensation and at least 144Hz refresh rate with <3440 horizontal resolution, AMD Radeon Graphics and/or AMD A-Series APU-compliant monitors with DisplayPort/HDMI Adaptive-Sync required. More information is available at www.amd.com/freesync.
[14] Requires Internet connection and Google Account. Subscription, download, or purchase may be required.
[15] Available on select Android phones.
[16] Google TV is the name of this device's software experience and a trademark of Google LLC. Google, Android, YouTube, YouTube Music and other marks are trademarks of Google LLC.
[17] Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.

Technical Specifications Footnotes

[1] All specifications represent the typical specifications provided by HP's component manufacturers, actual performance may vary either higher or lower.
[2] DisplayPort™ 1.4 or HDMI 2.1 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 3840 × 2160 at 60 Hz with 10-bit color using one DisplayPort™, HDMI or USB Type-C®.
[3] Number of colors through A-FRC technology.
[4] Included cables may vary by country.
[5] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[6] Ocean Bound plastic is expressed as a percentage of the total weight plastic. Ocean Bound plastic is based on the definition set by the UL2809 standard.
[7] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT® standard for computers, IEEE 1680.1-2018 standard.
[8] Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
[9] Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.
[10] Molded pulp cushions are made from 100% recycled wood fiber and organic materials.
[11] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[12] In Android TV OS mode only.

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