



EIZO HD2442W **24" Full HD monitor**

Full-High-Definition for a pure and detailed picture. HD2442W masterfully displays Full HD from video game systems, Blu-Ray players and HD video cameras. All colour nuances and details come forth on this 24" display. Multi-format support and frequency without interfering artefacts are just some of the advantages this device has to offer. Two HDMI inputs process 1080i and 1080p signals at 60, 50 or 24Hz. Therefore film playback has first class quality. DSub and DVI-D connectors are available for computer connections. Thru and Game modes make the HD2442W an ideal choice for gamers. These modes present higher performance and enable the user to better distinguish shelters and enemies - two advantages, which often decide on the outcome of the game.

- ◆ Full High Definition, 1080i and 1080p for a sharp and high detailed picture
- ◆ Two HDMI inputs and USB Hub with two Up-Stream ports
- ◆ Watching films and games without interfering artefacts in its original picture frequency
- ◆ Compatible with video game systems, players, video cameras and computers
- ◆ Thru mode for optimal display in games
- ◆ Remote control for quick and simple control



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EIZO HD2442W

Main features

Cutting-edge picture quality The picture quality technology is priority number one of the EIZO HD2442W monitor. Systems for dynamic contrast and outline amplification optimize colour reproduction and sharpness. Colour processing is executed with 14 bit accuracy. Picture signal shades are therefore distinguishable with an accuracy of 1/16000. The result is an unbelievably precise display. Details are distinctly displayed, which is often the decisive asset when playing games. The picture is sharp and clear and has a realistic and live effect.

Overdrive function The S-PVA module guarantees a large viewing angle of 178°. This is important for all viewers to see colours properly. Pixel switching is markedly accelerated via the pre-calculated overdrive. The Hd2442W therefore achieves a 6 ms response time for gray-gray transitions without interference and with a higher quality than TN-LCD monitors. Result: A brilliant motion picture in fast video sequences, games and 3D animations.

Extensive connection options Two HDMI inputs send 1080p and 1080i Full-HD signals to the screen. HD2442W provides an undisturbed picture with original frequencies thanks to its 60, 50 or 24Hz support – an ideal choice for any video game system and video player. One DVI-D and DSub connector are available for PC connections. HDCP coded signals can be connected to all inputs. Two active USB ports can be found on the side of the monitor. In this way you can effortlessly connect a web camera here.

Game and Cinema mode Fine differences of colour tones are amplified under this configuration. This leads to the improvement of viewing conditions. Structures and textures are distinguished better. You can spot your enemies who are hiding in the shade or dark corners faster in Game mode. Advantage: the ability to react more quickly strengthens your chances while playing a game.

Thru mode For video playback purposes, the HD2442W contains significant circuits for deinterlacing and for limiting artefacts. Nevertheless, these functions are unnecessary for game playing. The Thru mode bypasses these circuits and allows picture data pass without delay. This is a big advantage for players since the display process practically runs in real time. The Game and Thru modes can be activated simultaneously.

Remote control HD2442W makes it easier for the user to achieve an optimal picture configuration. The remote controller is comfortable to use and has intuitive controlling. Important functions have their own assigned buttons. This particularly concerns: switching between a video game system, video player, computer, picture in picture, Cinema, Game and Thru modes, as well as volume, bass, treble and balance (if speakers are connected).

Function and design The monitor can be pushed back to the table surface with an arcuated movement in order to achieve an ergonomic viewing position. The monitor can be rotated by 172° to the left and to the right. The HD2442W is available in three colours: matt black, titanium silver and piano black. Optimal ergonomics guarantee an antireflective display surface, preventing undesirable reflections. This is much better than common polished and smooth surfaces, which make it impossible to achieve proper display quality in this case.

Automatic brightness regulation light sensor measures the ambient lighting and automatically adjusts the monitor's brightness in order to reach optimal constant contrast. The brightness is amplified when the illumination is bright and lowered when the illumination is poor. Manual brightness regulation is also possible.

Logos and standards



Technical specifications

Panel size	61 cm (24 inches), 16:10 format
Models (colour versions)	HD2442W-BK (metallic black) HD2442W-TS (titanium silver) HD2442W-PBK (piano polished black)
Viewable image size	518 mm (width) x 324 mm (height)
Viewable image size - diagonal	611 mm
Ideal/Recommended resolution	1 900 x 1 200 pixels Full-High-Definition 1080i and 1080p
Pixel pitch	0.27 mm x 0.27 mm
Display colours	16.7 million
Max. brightness	450 cd/m ²
Max. contrast	3 000:1 with the use of Contrast Enhancer
Max. Viewing angle	Horizontal: 178°; Vertical: 178°
LCD technology	S-PVA
Typical response time, medium tone	6 ms
Typical response time, medium tone	11/5 ms, black-white transition tone
Main features	Full-HD and HDMI connector, Thru, Game and Cinema modes, Overdrive function, Dynamic fine contrast (Contrast Enhancer), Outline accentuation, 10-bit Look-Up-Table, Picture-in-picture function, HDCP decoder, 14-bit calculation accuracy, Controller with Slidebar and sensor buttons, USB V2.0, Powered Hub, Headphone/speaker output
Adjustment functions	Brightness, Contrast, Gamma, Fine contrast, outline accentuation, RGB element saturation, Colour temperature, Clock, Phase, Picture position, Resolution, Off Timer, OSD language (De, UK, Fr, Se, Es, It), Volume, Bass, Treble, Balance
Resolution	1920 x 1200 full screen 1:1, 1920 x 1080, 1600 x 1200, 1680 x 1050, 1280 x 1024, 1024 x 768, 800 x 600, 720 x 400, 640 x 480, enlarged to full screen or 1:1
Horizontal frequency	Analogue: 31.5 – 80 kHz Digital: 31.5 – 76 kHz
Vertical frequency	Analogue: 49 – 86 Hz Digital: 59 – 61 Hz, 49 to 51 Hz, also 23.97 and 24 Hz
Video bandwidth	Analogue: 162.5 MHz, Digital: 162 MHz
Picture signals	RGB Analog, DVI (TMDS), HDMI
Input connectors	2x HDMI, DVI-D, DSub
Plug & Play	VESA DDC CI
Power Management	VESA DPMS, DVI-DMPM
Power consumption	max. * 110 W, typ. 48 W, < 1 W power save mode
Dimensions (WxHxD)	566 mm x (363 mm to 480) x 230 mm, 566 mm x 396 x 92 mm (without stand)
Net weight	10.3 kg, 7.9 kg (without stand)
Rotation / Tilt	172° right/left, 60°/5° back/front
Height adjustability	90 mm
Standards	CE, TÜV GS, TÜV Ergonomics, ISO 13406-2, TCO03 (HD2442W-BK), Energy Star
USB-Hub	2 Up-, 2 Down-Stream, Rev. 2.0
Accessories included	Manual (German, English, French) , remote control, Screenmanager Pro Utility Disk, network adapter , USB cable , signal cable (DSub-DSub and DVI-D-DVI-D and HDMI-HDMI), ICC colour profile
Warranty	5 year, onsite exchange warranty

* at maximal brightness with both signal inputs and USB in operation

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