



The FORIS FG2421 is the most powerful gaming screen EIZO has ever manufactured. Its 240 Hz turbo mode breaks all records in terms of fast and clear image reproduction. Virtually instant image reproduction creates a special experience that highlights the strengths and dynamics of the game. Preset gaming modes co-developed with pro gamers offer an exceptional gaming experience, perfect for first-person shooter games, racing games, beat 'em up games and other fast-paced genres. The FG2421 uses a 24" VA-LCD module (59.8 cm/23.5" display), giving it a performance that is comparable to TN-LCDs, even at maximum image quality. The full HD display in 16:9 format provides team players with a helpful side-view of the neighbouring screen thanks to its wide viewing angle. The native contrast of 5000:1 generates a deep black that gives the image reproduction its shine. This high contrast improves visibility in dark scenes and makes it easier to recognise opponents or obstacles.

- ◆ Turbo 240: Fluid image reproduction and rapid movements with sharp and clear structures
- ◆ Extremely short latency: Action and effect with minimal time offset
- ◆ High contrast VA-LCD: Clear visibility makes it easier to recognise opponents or obstacles
- ◆ Wide variety of interfaces: Connect consoles, players and computers
- ◆ Gamers can exchange preset modes with professional settings for brightness, contrast and gamma or download them
- ◆ Designed for gaming: Sleek, compact and functional
- ◆ Carefully developed and produced: Five year warranty as a guarantee of reliability



# The EIZO FORIS FG2421



## Features

**Turbo 240** The Turbo 240 feature sets the heartbeat of the FG2421. This is where the FG2421 breaks the 120 Hz/144 Hz conventions of traditional gaming monitors. Turbo 240 uses the LED technology of the backlight. 120 Hz signals are pulsed at double frequency, effectively accelerated to a refresh rate of 240 Hz. This pulsed reproduction is faster than one millisecond. It makes the user aware of sharp and clear structures, even during rapid movements. The FG2421 thereby achieves the most fluid image reproduction currently possible in the world of gaming monitors.

**Quick reactions with short latency** EIZO has developed fast electronics for the new FORIS to allow the player to see the effect on the screen with minimal time offset. A race car's responsiveness and drive have an input lag and time offset in the monitor. It consists of just 1.5 frames (1.5/120 of a second), meaning it remains just below the threshold of perceptibility. The reaction is instant, in a manner of speaking.

**Variety of ports** The variety of interfaces leaves nothing to be desired and includes HDMI, DisplayPort as well as DVI-D ports for PCs, games consoles and multimedia equipment such as Blu-ray players. A USB hub with one upstream and two downstream ports allows you to connect a mouse and keyboard to the computer via the monitor. An audio line-out and headphone jack complete the picture.

**Preset modes with professional settings** The 'ScreenManager Pro for Gaming' software is included in the delivery of the device. It allows you to implement monitor gaming profiles such as the optimal settings for brightness, contrast and gamma. Gamers can exchange these profiles or download them from [gaming.eizo.com](http://gaming.eizo.com). Two profiles co-developed with expert gamers from the Fnatic team have already been programmed at the factory. There are three additional storage spaces available. The HotKey feature of ScreenManager Pro allows users to toggle between connected speakers/headphones, image scaling and profiles quickly via the keyboard, or switch them on or off.

**High contrast VA-LCD** The EIZO FORIS FG2421 uses a VA-LCD module, giving it a performance that is comparable to TN-LCDs, even at maximum image quality. The full HD display in 16:9 format provides team players with a helpful side-view of the neighbouring screen thanks to a viewing angle of 176°. The native contrast of 5000:1 generates a deep black that gives the image reproduction its shine. This high contrast improves visibility in dark scenes and makes it easier to recognise opponents or obstacles.

**Auto EcoView** The EcoView Sensor measures the light in the ambient light and automatically adjusts the image brightness accordingly. It is also possible to control brightness manually. The user can freely determine minimum and maximum image brightness.

**Impressive appearance** The FORIS FG2421 is housed in a sleek, impressive case and offers exceptional comfort despite its compact size. The versatile base is height adjustable by 60 mm, 344° rotatable and can tilt 25°. The carry handle on the rear makes transporting the monitor to a gaming event easy. A vermilion frame makes a strong design statement around the white-lit EIZO logo on the glossy black rear side.

**Reliable** The five-year manufacturer's warranty in the form of an on-site replacement service acts as a guarantee of the FORIS FG2421's reliability. This means that the length of the warranty is significantly longer than conventional gaming monitors, which often only last two years.

## Logos and test marks



## Specifications

Diagonal	59.8 cm (23.5") 16:9 format
Models (housing colours)	FG2421-BK (black)
Visible image size	521 mm (width) x 293 mm (height)
Visible diagonal	598 mm
Ideal and recommended resolution	1920 pixels x 1080 lines Full high definition
Dot pitch	0.272 mm x 0.272 mm
Displayable colours	16.77 million
Max. brightness	400 cd/m <sup>2</sup> (Turbo 240: off)
Max. dark room contrast	5000:1 static contrast 15000:1 contrast enhancer: on
Max. viewing angle	Horizontal: 176°; Vertical: 176°
LCD technology	VA
Typical system response time	Less than 1 ms (Turbo 240: on)
Features	Turbo 240, Overdrive, 120 Hz input, colour modes (USER 1 to 3, FPS1, FPS2, RTS, Web), 10-bit look-up table, Auto FineContrast via ScreenManager Pro for Gaming, Auto Color, Contrast Enhancer, Auto EcoView, speaker and headphone connection
Configuration options	Turbo 240, brightness, black level, contrast, gamma, colour saturation, colour temperature, Contrast Enhancer, image size, gamut, equalisation, Auto EcoView, logo illumination, signal input, audio input (DisplayPort/HDMI), audio level, volume, languages (UK, FR, DE, IT, JP, CH, ES, SE)
Supported resolutions	1920 x 1080, 1680 x 1050, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 720 x 576 (HDMI and DP), 720 x 480, 720 x 400, 640 x 480
Horizontal frequencies (digital)	HDMI: 15 – 100 kHz DVI: 31 – 138 kHz DisplayPort: 31 – 138 kHz
Vertical frequencies (digital)	HDMI: 23 – 122 Hz DVI: 59 – 122 Hz DisplayPort: 49 – 122 Hz
Video bandwidth	DVI/DisplayPort: 290 MHz HDMI: 150 MHz
Video signals	TMDS, DisplayPort, 60 Hz (HDMI): VGA/480i/480p/1080i/720p/1080p 50 Hz (HDMI): 576i/576p/1080i/720p/1080p 24 Hz (HDMI): 1080p
Signal inputs	PC: DisplayPort, DVI-D 24 pin (with HDCP) PC/AV: HDMI
Audio input terminals	3.5 mm stereo jack, DisplayPort HDMI (PC/AV)
Audio output terminals	3.5 mm stereo speaker, 3.5 mm headphone
USB function	One upstream/two downstream ports, USB 2.0
Plug & Play	VESA DDC CI
Power management	VESA DPMS, DVI-DMPM
Power consumption	Max. * 53 watts power consumption Typical power consumption of 20 watts 0 watts when power switch is OFF
Dimensions (WxHxD)	56 cm x (39 – 45 cm) x 20 cm
Weight	6.2 kg
Rotatability/tilt range	344°, 25° to the back
Height adjustability	6 cm
Test marks	CE, TÜV GS, TÜV certified ergonomics
Accessories included	Setup manual, EIZO LCD utility disk (manual and ScreenManager Pro for Gaming*), network, USB, audio and signal cable (DisplayPort-DisplayPort), cable holder
Service	Five years on-site replacement service

\* At maximum brightness as well as two signal inputs, USB and audio connection in operation.

\*\* Compatible with Windows 8, 7 and Vista



EIZO Europe:

Austria ♦ [www.eizo.at](http://www.eizo.at)  
Belgium & Luxembourg ♦ [www.eizo.be](http://www.eizo.be)  
Czech Republic ♦ [www.eizo.cz](http://www.eizo.cz)

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