



57.5" Primary Control Monitor

Raptor® RP5824

The Raptor RP5824 is a 57.5-inch 4K × 2K resolution primary control monitor developed specifically for air traffic control centers. Its large 8 megapixel screen allows controllers to view more data simultaneously in a single location for a streamlined workflow.

- 3840 × 2160 native resolution
- Reliability with built-in redundancy
- Thin bezel design
- Long-lasting direct LED backlight



Streamline Your Workstation

Display 4K × 2K resolution data in full on one screen without the obtrusive bezels typically found in multi-monitor workstations. In addition, 2K × 2K and auxiliary information can be displayed simultaneously on a single screen using EIZO's Large Monitor Manager* for controlling video signals. This allows controllers to view more information easily in one place instead of across multiple monitors.

**Contact atc@eizo.com for more information.*

Mission-Critical Redundancy

Redundant power supplies and backlight systems give the monitor a high degree of operational reliability for creating a fail-safe environment.

Brightness Stabilization

EIZO's fully automated stability function uses an internal backlight sensor to stabilize the brightness level throughout the life of the monitor, compensating for fluctuations caused by variations in ambient temperature and the passage of time.

Long-Lasting Direct LED Backlight

The monitor is equipped with two independent direct LED backlight systems that are highly efficient compared to conventional CCFL backlights, saving energy even when running at high brightness levels. The direct backlight systems also offer superior brightness uniformity for smoother images across the entire screen compared to edge-type backlight solutions.

Optimized Brightness Settings

The monitor comes with several preset brightness settings optimized for ATC environments. This allows the controller to conveniently select the most appropriate setting according to ambient lighting conditions and helps to reduce eye fatigue.

High Contrast for Clear Images

The monitor's exceptional contrast ratio of 4000:1 displays ATC data with a high level of clarity making details more distinct.

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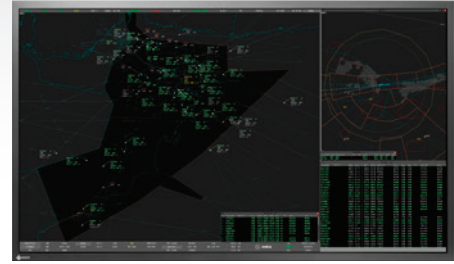
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Wide Viewing Angles

The panel has 176° wide viewing angles, allowing the controller to see all data on the screen from any position without compromising image clarity. This also allows more than one person to view the screen more comfortably.

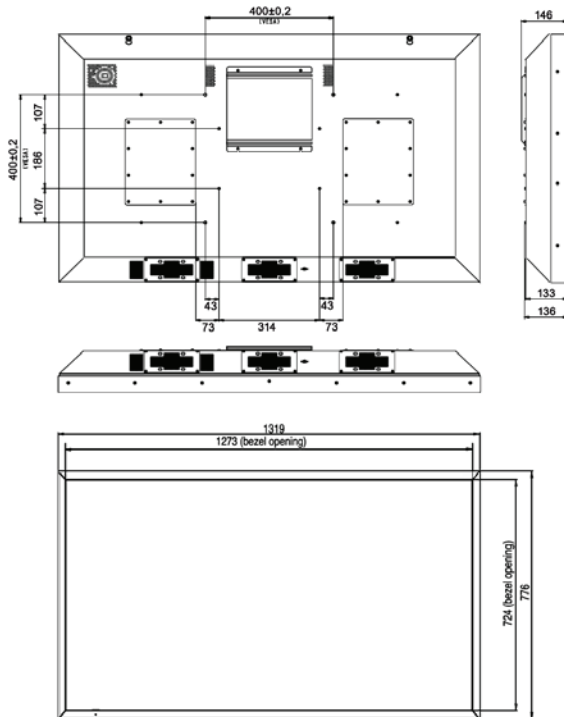
Convenient Installation

The monitor supports VESA mounting for conveniently installing in open or closed ATC consoles.



Specifications

Panel	Size	57.5"/ 146 cm (1,460 mm diagonal)
	Native Resolution	3840 × 2160 (16:9 aspect ratio)
	Viewable Image Size (H × V)	1270 × 721 mm
	Pixel Pitch	0.3307 × 0.3338
	Grayscale Tones	256 tones
	Display Colors	16.7 million
	Viewing Angles (H × V, typical)	176°, 176°
	Brightness (typical)	300 cd/m ² (maximum)
	Contrast Ratio (typical)	4000 :1
	Response Time (typical)	9.5 ms (Gray to Gray)
Video Signals	Input Terminals	DVI-D 24 pin (dual link) × 2
	Digital Scanning Frequency (H / V)	257 MHz (pixel), 59.7 - 60.5 Hz (Vsync)
Power	Power Requirements	AC 100 - 240 V
	Maximum Power Consumption	400 W
	Power Save Mode	38 W
Features and Functions	Communication Interface	USB B Connector
	Input Signal Management	Yes (Requires EIZO's Large Monitor Manager)
Physical Specifications	Dimensions (W × H × D)	1319 × 776 × 146 mm
	Net Weight (W × H × D)	47 kg
Environmental Requirements	Operating Temperature	5 – 40 °C / 41 – 104°F
	Storage Temperature	-20 – 55 °C / -4 – 131°F
	Operating Humidity (R.H., non condensing)	Max. 80% (no condensation)
Certifications & Standards		CE, UL, FCC, RoHS, WEEE, CCC
Warranty		Two Years



EIZO Technologies GmbH

Bürgermeister-Seidl-Str. 8, 82515 Wolfratshausen, Germany

Phone : +49-8171-3492-11 Fax : +49-8171-3492-16

atc@eizo.com

www.eizoglobal.com

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