



21.3" Tower Monitor Raptor® RP2124

The Raptor RP2124 is a high-bright monitor designed for air traffic control towers. It offers excellent readability in both bright and dim ambient lighting conditions, making it ideal for tower applications. It comes in several mounting configurations and is available with a wide array of customization options.

- 10 cd/m² to 650 cd/m² wide dimming range
- Customizable to satisfy individual requirements
- Durability with full sheet-steel industrial-grade housing
- Optional touch panel variation available



Excellent Readability

The Raptor RP2124's high brightness of 650 cd/m² (520 cd/m² for the touch panel) and 1400:1 contrast ratio offer excellent readability of text and images in tower applications. The monitor can be adjusted to as low as 10 cd/m² brightness for viewing more comfortably in low ambient lighting conditions.

Flexible Installation

To meet the requirements of any installation, EIZO's tower monitors offers several configurations such as panel mount for installing directly into a console or VESA mount for mounting on an arm or stand.

Complete Connection

The Raptor RP2124 is equipped with two DVI-I inputs for digital and analog signal support.

Backlight Stabilization

EIZO's fully automated stability function uses an internal 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.

Industrial-Grade Reliability

Full sheet-steel industrial-grade housing is used for high durability. The monitor is developed, manufactured, and quality control tested in-house by EIZO staff to ensure maximum reliability in mission-critical markets. The Raptor RP2124 is backed by a two year manufacturer's warranty.

Flicker-Free Images

Due to the way brightness is controlled with LED backlights, a small number of people perceive flicker on their screen which causes eye fatigue. The Raptor RP2124 regulates brightness to make flicker unperceivable without compromising color stability.

Antiglare Protection Glass

The monitor's antiglare protection glass ensures that the screen maintains high visibility even in bright ambient lighting conditions.

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Touch Panel Variation

A touch panel variation equipped with analog resistive touch technology is available as an option. It accepts touch input from both bare and gloved hands as well as styluses. It is also more resistant to dust and other objects compared to other touch technologies for increased reliability.

Extensive Customizability

The monitor is customizable to meet the specific needs of individual towers. Customization may include, but is not limited to, mounting options, cabinet color, and warranty upgrades.

Intuitive OSD Control

The OSD menu is easily accessible via the buttons on the monitor. The Raptor RP2124 can be connected to the optional EACON-S02 external keyboard for further OSD control.

Optional Accessories

EACON-S02

External OSD keyboard for control of a single monitor.



EAMRC-S01

External OSD keyboard for control of up to 5 monitors.



Specifications

Panel	Backlight	LED backlight
	Size	21.3" / 54 cm (540 mm diagonal)
	Native Resolution	1600 × 1200 (4:3 aspect ratio)
	Viewable Image Size (H × V)	432 × 324 mm
	Pixel Pitch	0.270 × 0.270 mm
	Display Colors	16.7 million
	Viewing Angles (H / V, typical)	178°, 178°
	Brightness (typical)	650 cd/m ² (maximum) 10 cd/m ² (minimum) 520 cd/m ² (touch panel)"
	Contrast Ratio (typical)	1400:1
	Response Time (typical)	20 ms
Video Signals	Input Terminals	DVI-I 29 pin × 2 (RGB analog + TMDS)
	Digital Scanning Frequency (H / V)	25 – 165 MHz (pixel) / 60 Hz
	Analog Scanning Frequency (H / V)	15 – 100 kHz / 50 – 100 Hz
	Sync Formats	Separate Sync / Composite Sync / Sync-on-Green
	Video Input Format	—
Power	Power Requirements	AC 100 - 240 V, 50 - 60 Hz
	Maximum Power Consumption	45 W (Brightness: 650 cd/m ²)
	Typical Power Consumption	35 W (Brightness: 450 cd/m ²)
	Standby Mode	6 W
Features & Functions	Brightness Stabilization	Yes
	External Keyboard	Yes (Requires hardware keyboard EACON-S02 or EAMRC-S01)
Physical Specifications	Dimensions (VESA Mount, W × H × D)	470 × 360 × 79.5 mm
	Net Weight (VESA Mount)	7.8 kg / 17.2 lbs
	Hole Spacing (VESA Standard)	100 × 100 mm
Environmental Requirements	Operating Temperature	0 – 40°C / 32 – 104°F
	Operating Humidity (R.H., non condensing)	Max. 80% (no condensation)
	Storage Temperature	-20 – 60°C / -4 – 140°F
	Degree of Protection	IP 65 (front) IP 20 (rear)
Certification & Standards	CE, UL, FCC, RoHS	
Warranty	Two years	
Touch Panel Variation (Optional)	Type	Analog resistive
	Communication Protocol	USB
	Compatible OS	Windows 8 (32-bit, 64-bit) / Windows 7 (32-bit, 64-bit) / Windows XP (32-bit) / Linux (2.6, 3.0 Kernel) (32-bit, 64-bit) / Linux (2.4, 2.6, 3.0 Kernel) (Serial) / Linux (2.6, 3.0 Kernel) (32-bit) ARMv7 / Mac OS X 10.7 Lion / Mac OS X 10.9

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