

## MDRC-2224 ATM

24-inch auxiliary display for Air Traffic Control



Because of the growing reliance on advanced software tools, the need for more diverse HMI display surfaces in ATC and ATM environments increases. That's why Esterline developed the MDRC-2224, a 24-inch auxiliary display with a 1,920 x 1,200 resolution and wide viewing angle. Its high-quality IPS LCD panel and continuous backlight stabilization technology ensure high and stable brightness. In combination with the ISIS 2K main radar screen, the MDRC-2224 ATM provides Air Traffic Controllers with flexible workspaces. Easy to integrate into consoles, the display is highly accepted in air traffic control rooms worldwide.

### Unequaled image quality

Featuring the latest LCD panel technologies, the MDRC-2224 ATM offers brightness uniformity in white, gray, and black images. The wide viewing angle, high contrast, and anti-reflective surface allow you to observe data at a glance, and in the best possible conditions.

### Unique design

The fan-less design ensures noiseless operation for improved operator comfort. All cables are hidden and connectors are easily accessible. Thanks to its slim design, low weight and mechanical flexibility, the display offers new opportunities to reduce plant and energy costs for control center designers. Furthermore, the bezel colorscheme matches perfectly with the ISIS 2K main radar screen.

### Green performance

Using mercury-free and energy-saving LED backlights, the MDRC-2224 ATM significantly reduces power consumption. When not in active use, the displays consume near-zero energy and produce no heat.

**Product specifications**
**MDRC-2224 ATM**

Active screen diagonal	611.3 mm (24.1")
Screen technology	TFT Color LCD IPS
Active screen area	518.4 x 324.0 mm (20.41 x 12.76")
Aspect Ratio	16:10
Native resolution	2MP (1920 x 1200)
Pixel pitch	0.270 x 0.270 mm
Viewing angle	178° (IPS)
Brightness	180 cd/m <sup>2</sup> (max typ 300 cd/m <sup>2</sup> )
Contrast ratio	1000:1
Dimming ratio	40 cd/m <sup>2</sup>
Video input signals	VGA, DP, HDMI
Backlight Output Stabilization (BLOS)	yes
Backlight	LED - Backlight optical stabilization
Ambient Light Compensation (ALC)	yes, preset value in OSD
Touch screen	no
Power consumption	40 W nominal; less than 1.0 W in off/stand-by mode; DPMS support
Power requirements	100-240 V (nominal)
USB ports	1 upstream, 2 downstream
USB standard	2.0
Dimensions w/o stand (W x H x D)	366 x 560.4 x 59.82 mm (portrait) 560.4 x 366 x 59.82 mm (landscape)
Dimensions with stand (W x H x D)	366 x 630.2 x 164.45 mm (portrait) 560.4 x 533 x 164.45 mm (landscape)
Dimensions packaged (W x H x D)	481 x 273 x 761 mm
Net weight with stand	8.38 kg
Net weight w/o stand	5 kg
Net weight packaged with stand	12.38 kg
Height adjustment range	100 mm +/- 5.0 mm
Tilt	-5° / +20°
Swivel	-45° / +45°
Pivot	90°
Mounting standard	VESA (100 mm)
Certifications	CE (MDD 93/42/EEC class I product), CE - 2004/108/EC, IEC 60601-1 (ED.3), ANSI/AAMI ES 60601-1:2005 + C1:2009, CAN/CSAC22.2 No. 60601-1-1-08:2008, DEMKO - EN 60601-1-1:2006, EN 60601-1-2:2007, KC, VCCI, FCC class B, ICES-001 Level B, FDA Class I device, RoHS
Supplied accessories	User guide Cable routing strap Video cables (1 x VGA + 1 x HDMI + 1 x DP) cables (UK, European (CEBEC/KEMA) or USA (UL/ CSA) adaptor plug NEMA 5-15P or Chinese (CCC) USB 2.0 cable This adapter(s) is a forming part of the device. (Manufacturer: BridgePower Corp.; Model: BPM060S12F03; Input: 100-240 V AC, 50-60 Hz, 1.5 A; Output: +12 V DC, 5.0 A)
Warranty	3 years