

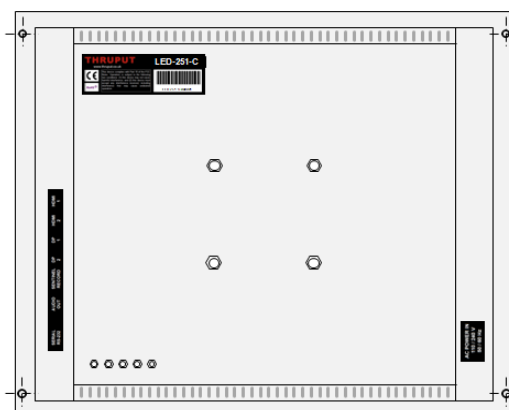
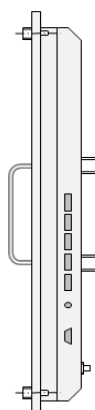
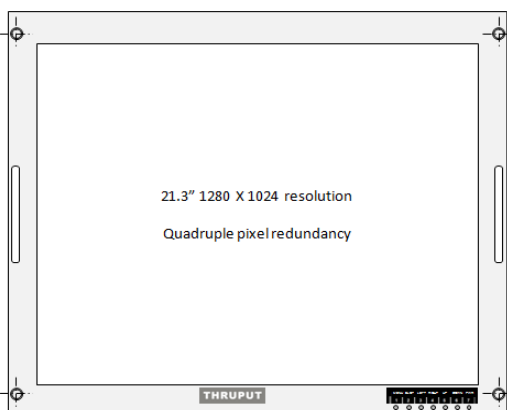
*The Thruput LED-251 monitor is a direct Form, Fit & Function replacement for the Barco RFD-251 series of monitors. It is brighter, sharper, with a bigger viewing area and is more reliable.*



The monitor provides 1280 x 1024 resolution with quadruple pixel redundancy, and supports legacy analogue and current digital video formats to provide a long term, future proof solution:

- 21.3" 1280 x 1024 resolution with quadruple pixel redundancy.
- Plug and play replacement for all versions of Barco RFD-251.
- Legacy analogue and future digital video formats supported.
- Restores original colours, contrast and brightness.
- LED backlighting for maximum life and durability.

BARCO RFD-251		THRUPUT LED-251		
<b>Brightness</b>	210 NITS	1,000 NITS	<b>+400%</b>	<b>Replaces NSN:</b> 7025-01-515-9328 7025-01-520-4626 5980-01-552-4719
<b>Contast</b>	300:1	1300:1	<b>+400%</b>	
<b>Backlight</b>	Fragile CCFL	Robust LED	<b>ROBUST</b>	
<b>Pixels</b>	1.3M	5.2M	<b>+300%</b>	
<b>Inputs</b>	RGBHV	RGBHV,	<b>2xDP, 2 HDMI</b>	
<b>Size</b>	399 x 319 mm	422 x 338 mm	<b>+11%</b>	
<b>Power</b>	130 W	30 W	<b>75% saving</b>	



## Simplicity

- No special tools
- Plug and play replacement.
- Ultra-high reliability.
- Silent operation.
- No training required

## Safety

- Low temperature operation
- Directly maps input pixel to LCD pixel
- Front safety glass
- No special lifting gear
- Low voltage operation

## Green solution

The LED-251 is a green solution:

- Low power, less than 30% of the running cost of the original NSN screens.
- Low heat, reduces cooling requirements for the operations room by up to 80%.
- Fully RoHS compliant.

## Pure colour brightness control

Brightness is controlled by Thruput's pure colour control technology, making it ideal for any Operations Room:

- Colour accuracy and contrast at all brightness settings.
- Uniform brightness across the screen.

## Military upgrade options

LED-251-M RPS	Redundant Power supply
LED-251-M LFR	LCF Flicker reduction
LED-251-M LFR	Hand held controller
LED-251-M TS	Touch screen
LED-251-M LT	Loop through COAX BNC's
LED-251-M CPC	Custom power connectors
LED-251-M PCC	PCB conformal coating

## Specification THR-LED-251-C

Inputs	2 off DP 1.2 2 off HDMI 2.0 (available for DVI SL via cable) 1 off analogue video, 5 BNC (RGB VH)	
Outputs	DP 1.2 Recording Port (Sentinel) 3.5 mm Audio jack	
Analogue controls	Automatic phase and timing	
Remote Access	RS 232 control and monitoring	
Resolution	1280 x 1024 with quadruple pixel redundancy	
Pixel Pitch	0.165 x 0.165 mm	
Brightness	1000 nits	
Contrast	1300 : 1	
Colour	32 bit colour	
Surface	Protective over glass	
Power	Universal input voltage, worldwide use. 100 to 240 Vac ±10% 50 / 60 Hz ±5%	
Size	9U rack mount (48.2 x 40.0 x 5.2 cm)	
Weight	Estimated 7.5 Kg	
Mounting	19" rack: 9U, VESA 100 mm	
MTBF	87,000 hours (25% brightness)	
MTTR	10 minutes	
HELT	130,000 (25% brightness)	
Backlight	LED	
Environmental design estimates.	Temperature	Operating: 0°C to 35°C (32°F to 95°F) Non-operating: -20°C to 60°C (-4°F to 140°F)
	Humidity	10% to 90% (non-condensing)
	Altitude	-300 to 10,000 feet MSL
	Shock	N/A
	EMC	EN55024: 1998+A2:2003 EN55022: 2006+A1:2007 FCC (part 15)
	Noise	0 dB (silent operation)
Certification	CE, FCC (part 15)	