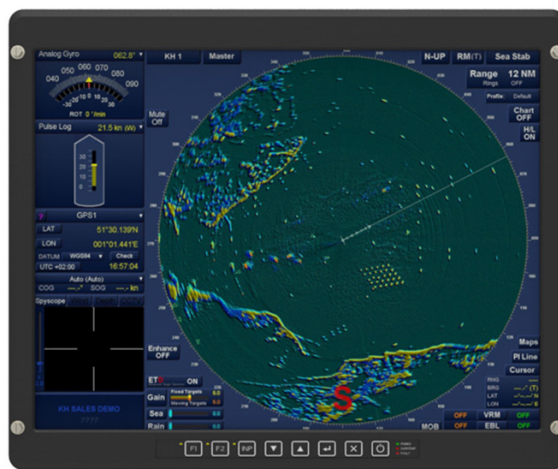


## TL-354

21.3" Thin Lightweight display (1600 x 1200)



The TL-354 is a new 21.3" thin and light-weight rugged display combining unmatched thinness with exceptionally low weight.

### A perfect fit for legacy systems

Esterline's TL-354 offers the same form-fit-function as the TL-351 console mount in terms of outline dimensions and mounting, LCD resolution, ruggedization, and display functionality.

The TL-354 can serve as a drop-in replacement for customers needing displays with a 4:3 aspect ratio and 1600 x 1200 screen resolution. It is the perfect solution for legacy systems currently equipped with a 20.1" UXGA display.

The TL-354 features a first-class 21.3" Active Matrix Liquid Crystal Display offering excellent performance in terms of brightness, dimming, crispness, contrast, and viewing angle. Equipped with an LED backlight, the TL-354 offers a long lifetime and reduces power consumption.

Esterline's TL displays are designed for application in the most extreme environments, making them suited for naval combat, army, UAV and airborne use.

**Product specifications**
**TL-354**

Panel size		21,3"	
Resolution		1600 x 1200 (UXGA)	
Brightness		Typical 300 cd/m <sup>2</sup> (87 fL), LED backlight	
Contrast ratio		Typical 1500:1	
		Standard	Rugged option
Vibration	SHIPS	MIL-STD-167-1 Type 1	MIL-STD-167-1 Type 1
	AIRBORN	2g MIL-E-5400T Fig.2, curve IIa (sheet 2 of 3)	5g MIL-E-5400T Fig.2, curve IIIa (sheet 2 of 3)
	RANDOM		MIL-STD-810F, Meth 514.5 Proc I, comp. wheeled vehicle (C2 & C3)
Shock		MIL-STD-810F Meth 516.5 30g - 12,5ms	MIL-STD-810F Meth 516.5 30g - 12,5ms MIL-S-901D Lightweight Grade A
Operational temperature		- Low temp: -10°C (immediate usable image at power up, image fully compliant with specs after 30 minutes) - Low temp: 0°C - High temp: 50°C	- Low temp: -40°C - High temp: +55°C
Storage temperature		- Low temp: -40°C - High temp: +70°C	- Low temp: -40°C - High temp: +70°C
Relative humidity		max. 95% @ 40°C	max. 95% @ 40°C
Drip proof		MIL-STD-810F Meth 506.4 proc III	MIL-STD-810F Meth 506.4 proc III
Altitude low pressure		40.000ft (187 mbar)	40.000ft (187 mbar)
Rapid decompression			MIL-STD-810F, Meth 500.4 Proc III, 8.000ft to 40.000ft in 15s
EMI / EMC		MIL-STD-461F - NAVY Applications	MIL-STD-461F - NAVY Applications / Navy fixed and Airforce Applications
FCC		FCC-A	FCC-A
Ingress protection		IPx5 on display front IPx5 on unit level with optional circular MIL connectors	
Signal inputs		2 x DVI-D, VGA, HD-SDI, RS-232 or RS-422, USB, Ethernet	
Power		28 VDC or 115-220VAC, per MIL-STD-704E and MIL-STD1275D guidelines	
Power consumption		45 W typical (without heating)	
Weight		± 10kg	
Options		LCD flicker compensation Touch screen Circular MIL connector interface	