

TX-138

15" thin and lightweight extreme display



Esterline's TX-138 is an extremely rugged 15-inch display for the highly demanding environment of the utility vehicle, helicopter or ground army vehicle. The TX-138 offers an ideal solution for battlefield management, command and control, driver's view enhancement, reconnaissance or local situational awareness inside today's rugged vehicles.

Extreme environments need extreme technologies

Esterline's TX-138 display offers the latest proven technologies, such as low-reflection touch screen, NVIS capability and sunlight readability. The TX-138 features a unique thermal management system which makes the displays fit for the harshest temperature environments. The combination of low-risk, proven display technology with Esterline's innovative display concepts makes the TX-138 the most trusted mission-critical display for vehicle operations on the market.

Product specifications

	TX-138
Panel size	15" diagonal
Resolution	1024x768 (XGA)
Panel specifications	16.7 M colors, 256 gray scales (with 10 bit patent pending dithering algorithm)
Brightness	Max. >680 cd/m ² (200 fL) typical, Min:
Contrast ratio	500:1 in dark environment
Dimming ratio	Day mode: typ. >2000:1 Night mode: 100:1
Viewing angle	Horizontal and Vertical ± 70° with CR = 10
Inputs	DVI, USB, RS232/422, Ethernet
Optional Inputs	RGB, video (CVBS, s-video, component), USB-hub/2nd RS input
Connectors	MIL-DTL-38999/3
Power Supply	28 VDC MIL-STD-1275B
Max. power consumption	65W (150W with heater and high temp light output compensation enabled)
Operating temperature range	from -46°C / -51F MIL-STD-810F to +71°C / +160°F MIL-STD-810F
Storage temperature range	from -46°C / -51F MIL-STD-810F to +75°C / +167°F MIL-STD-810F
Humidity	95% @ +40°C / +104°F non-condensing MIL-STD-810F
Vibration	5g sine vibration MIL E5400T Random vibration (all terrain vehicles) MIL-STD-810F Random vibration (heavy tracked vehicles) AECTP400
Shock	40 g-23 ms half sine MIL-STD-810F
EMI / EMC	Ground-Army MIL-STD-461F
Drip proof	IP65
Altitude	Operating: Up to 40,000 m, Storage: Up to 50,000 m MIL-STD-810F
Sand & dust, salt fog	Compliant at unit level MIL-STD-810F
Bezel controls	up to 16 programmable function keys left and right, dimmable backlight and key status indicators
Touch screen	Rugged AR touch screen, USB or RS Controlled
NVIS	MIL-STD-3009 class B compliant