

TX-243

17" thin and lightweight extreme display



Esterline's TX-243 is an extremely rugged display for the highly demanding environment of the utility vehicle, helicopter or ground army vehicle. The TX-243 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 17inch TX-243 display offers the latest proven technologies, such as low-reflection touch screen, NVIS capability and sunlight readability. The TX-243 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-243 the most trusted mission-critical display for vehicle operations on the market.

Product specifications
TX-243

| | |
|-----------------------------|--|
| Panel size | 17" diagonal |
| Resolution | SXGA (1280x1024px) |
| 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 | 800:1 in dark environment |
| Dimming ratio | Day mode: typ. >2000:1 Night mode: 100:1 |
| Viewing angle | Horizontal and Vertical ± 80° 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 | 70W (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 | comply 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 |