

# TX-243

## 17" thin and lightweight extreme display



Barco'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**

Barco's 17-inch 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 Barco's innovative display concepts makes the TX-243 the most trusted mission-critical display for vehicle operations on the market.

**BARCO**

Visibly yours

**Product specifications****TX-243**

|                                  |  |
|----------------------------------|--|
| <b>Resolution</b>                | SXGA (1280x1024px)   |
| <b>Panel specifications</b>      | 16.7 M colors, 256 gray scales (with 10 bit patent pending dithering algorithm)  |
| <b>Brightness</b>                | Max. >680 cd/m <sup>2</sup> (200 ft.) typical, Min:  |
| <b>Contrast ratio</b>            | 800:1 in dark environment  |
| <b>Dimming ratio</b>             | Day mode: typ. >2000:1<br>Night mode: 100:1  |
| <b>Viewing angle</b>             | Horizontal and Vertical ± 80° with CR = 10   |
| <b>Inputs</b>                    | DVI, USB, RS232/422, Ethernet  |
| <b>Optional Inputs</b>           | RGB, video (CVBS, s-video, component), USB-hub/2nd RS input  |
| <b>Connectors</b>                | MIL-DTL-38999/3  |
| <b>Power Supply</b>              | 28 VDC MIL-STD-1275B   |
| <b>Max. power consumption</b>    | 70W (150W with heater and high temp light output compensation enabled)   |
| <b>Operating temperature</b>     | from -46°C / -51°F MIL-STD-810F to +71°C / +160°F MIL-STD-810F   |
| <b>Storage temperature</b>       | from -46°C / -51°F MIL-STD-810F to +75°C / +167°F MIL-STD-810F   |
| <b>Humidity</b>                  | 95% @ +40°C / +104°F non-condensing MIL-STD-810F   |
| <b>Vibration</b>                 | 5g sine vibration MIL E5400T<br>Random vibration (all terrain vehicles) MIL-STD-810F<br>Random vibration (heavy tracked vehicles) AECTP400 |
| <b>Shock</b>                     | 40 g-23 ms half sine MIL-STD-810F  |
| <b>EMI / EMC</b>                 | Ground-Army MIL-STD-461F   |
| <b>Drip proof</b>                | IP65   |
| <b>Altitude</b>                  | Operating: Up to 40,000 mStorage: Up to 50,000 m MIL-STD-810F  |
| <b>Sand &amp; dust, salt fog</b> | comply at unit level MIL-STD-810F  |
| <b>Bezel controls</b>            | up to 16 programmable function keys left and right, dimmable backlight and key status indicators   |
| <b>Touch screen</b>              | Rugged AR touch screen, USB or RS Controlled   |
| <b>NVIS</b>                      | MIL-STD-3009 class B compliant   |
| <b>Panel size</b>                | 17" diagonal   |