

# HD-30

## High-resolution, wide-screen rugged display



Barco's HD-30 is a wide-screen rugged display that is ideal for use inside mobile shelter or naval environments. With its 30-inch size, the HD-30 makes the biggest single-operator display that is still ergonomically efficient.

### **Next-generation technologies**

The new generation features power-efficient LED backlights, highly accurate Infrared technology and ultra-fast image rendering.

### **LED backlit Infrared touch screen**

Its energy-efficient LED backlights produce less heat and ensure minimal power consumption while the fan-less and fully sealed (IP64) design ensures noiseless operation to improve operator comfort.

The HD-30 delivers bright and crisp graphics and video and allows you to perform accurate mission planning and present digital maps in their native resolution.

The HD-30 uses highly accurate Infrared technology to support dual touch gestures (zoom, rotate...) and allows interaction with finger tips, gloves or stylus.

**BARCO**

Visibly yours

# HD-30

## High-resolution, wide-screen rugged display

### **Designed for use in mission-critical environments**

With its fast LCD response time (ca. 12 ms), the HD-30 renders fast-moving images with vivid accuracy. The wide viewing angle (178°) offers optimum viewing comfort when multiple viewers are involved.

Barco's HD-30 display is fully MIL-qualified in terms of vibration, shock and EMI/EMC, so it easily withstands the harsh environmental conditions of a typical mobile shelter or naval environment.

**Product specifications****HD-30**

<b>Backlight</b>	LED
<b>Panel size</b>	30"
<b>Resolution</b>	2560x1600 (WQXGA)
<b>Brightness</b>	Typical 250cd/m <sup>2</sup> (73fL)
<b>Contrast ratio</b>	1000:1
<b>Dimming ratio</b>	100:1
<b>Response time</b>	ca. 12 ms
<b>Vibration</b>	Shelter: MIL-STD-810F meth 514.5 Notice 3, Proc I
<b>Shock</b>	MIL-STD-810F meth 516.5   20g - 18ms half sine
<b>Operational temperature</b>	MIL-STD-810F: Low temp: -32°C - High temp: +49°C
<b>Storage temperature</b>	MIL-STD-810F: Low temp: -45°C - High temp: +71°C
<b>Humidity</b>	MIL-STD-810F: Max. 95% @ 30-60°C
<b>Altitude</b>	10,000 ft operational
<b>EMC / IEC</b>	MIL-STD-461E (ground army)
<b>Drip proof</b>	IP64
<b>Sand &amp; dust, salt fog</b>	Compliant at unit level MIL-STD-810F
<b>Signal inputs</b>	2560x1600x60Hz dual link DVI (MIL-C-38999 serie III)
<b>USB</b>	MIL-C-38999 series III
<b>Power</b>	MIL-C-38999 series III
<b>Controls</b>	UP / DOWN / SEL / QUIT / STANDBY in conjunction with OSD
<b>Indicators</b>	Green power LED, Red fault LED
<b>Touch screen</b>	Infrared dual touch (allows for gestures)
<b>Power Supply</b>	18-32V DC
<b>Power consumption</b>	85W typical, 230W max (with heater)
<b>Weight</b>	18.5 kg (39.7 lbs)
<b>Finishing</b>	Bezel color Black RAL9005, Chassis ALODINE 1200 or 1500
<b>MTTR</b>	Less than 30 minutes
<b>Approvals and compliance</b>	European CE: EN60950-1; EU RoHS, EU REACH