

# 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 environments. With its 30-inch size, the HD-30 makes the biggest single-operator display that is still ergonomically efficient. The HD-30 has a WQXGA (2560x1600) resolution which delivers bright and crisp graphics and video and enables to perform accurate mission planning and present digital maps in their native resolution.

With its fast response time (< 16 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. The HD-30 uses highly accurate NextWindow touch screen technology, which allows interaction with finger tips, gloves or stylus.

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 environment.

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## Technical specifications

Panel size	30'
Resolution	2560x1600 (WQXGA)
Brightness	Typical 250cd/m <sup>2</sup> (73fL)
Contrast ratio	1000:1
Dimming ratio	20:1
Vibration	Shelter: MIL-STD-810F meth 514.5
Shock	MIL-STD-810F meth 516.5   20g - 18ms half sine
Operational temperature	MIL-STD-810F: Low temp: -32°C - High temp: +49°C
Storage temperature	MIL-STD-810F: Low temp: -45°C - High temp: +71°C
Humidity	MIL-STD-810F: Max. 95% @ 30-60°C
Altitude	10,000 ft operational
EMC / IEC	MIL-STD-461E (ground army)
Drip proof	IP64
Sand & dust, salt fog	Compliant at unit level MIL-STD-810F
Signal inputs	2560x1600x60Hz dual link DVI (MIL-C-38999 serie III)
USB	MIL-C-38999 series III
Power	MIL-C-38999 series III
Controls	UP / DOWN / SEL / QUIT / STANDBY in conjunction with OSD
Indicators	Green power LED, Red fault LED
Touch screen	Optical touch screen (Next Window)
Power supply	18-32V DC
Power consumption	180-200W typical, 300W max (with heater)
Safety	IEC 950
Weight	18.5 kg (39.7 lbs)
Finishing	Bezel color Black RAL9005, Chassis ALODINE 1200 or 1500
MTR	Less than 30 minutes