

# 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.

The HD-30's fast response time (< 16 ms) allows to reproduce 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.

### Main Features:

- WQXGA (2560x1600) resolution
- NextWindow touch screen technology
- Fully rugged and MIL-qualified
- Fast response time
- Wide viewing angle

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# Technical specifications HD-30

Electro-optical		HD-30
Panel size		30"
Resolution		2560x1600 (WQXGA)
Brightness		Typical 250cd/m <sup>2</sup> (73fL)
Contrast ratio (in dark environment)		1000:1
Dimming ratio		20:1

Environmental	
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
Relative humidity MIL-STD-810F	Max. 95% @ 30-60°C
Altitude low pressure MIL-STD-810F	operating: 10,000ft storage: 40,000ft
EMI/EMC	MIL-STD-461E (ground army)
Drip proof	IP64
Salt fog, sand	Compliant at unit level MIL-STD-810F

Connections	
Signal input	2560x1600x60Hz dual link DVI (MIL-C-38999 serie III)
USB	MIL-C-38999 series III
Power	MIL-C-38999 series III

Controls & indicators	
Controls	UP / DOWN / SEL / QUIT / STANDBY in conjunction with OSD
Indicators	Green 'power' LED, Red 'fault' LED
OSD	On-screen display
Touch screen	Optical touch screen (Next Window)

Power	
Power supply	18-32V DC
Power consumption	180-200W typical, 300W max (with heater)
Safety	IEC 950

General data	
Weight	18.5 kg (39.7 lbs)
	Bezel color Black RAL9005
Finishing	Chassis ALODINE 1200 or 1500
MTR	Less than 30 minutes



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Barco is an ISO 9001 registered company. The information and data given are typical for the equipment described. However any individual item is subject to change without any notice. The latest version of this product sheet can be found on [www.barco.com](http://www.barco.com)

Barco nv  
 Pres. Kennedypark 35, B-8500 Kortrijk  
 Europe, Middle-East, Africa: +32 56 26 20 09  
 USA: +1 678 475 8000  
 Latin America: +55 11 38421656  
 Japan: +81 3 5762 8727  
 China: +86 400 88 22726  
 Or mail to to [sales.defense@barco.com](mailto:sales.defense@barco.com)

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