

# SV-126

## 10" smart display



Barco's SV-126 smart display combines a 10-inch sunlight-readable display with the graphics and computing power of Barco's DPM-3 rugged computer. Thanks to its compact footprint, the SV-126 can be easily integrated into the confined spaces of wheeled and tracked military vehicles.

Barco's SV-126 display offers the latest proven technologies, such as low-reflection touch screen, NVIS and sunlight readability. The SV-126 features a unique thermal management system which makes the displays fit for the harshest temperature environments.

The SV-126's modular architecture facilitates connectivity to any sensor and contains advanced video processing and high quality video streaming capability for better situational awareness.

### The SV-126 features:

- A **compact footprint** and **fanless design** for easy integration into vehicles
- A **rugged design** for on-the-move operation on board wheeled or tracked vehicles
- **NVIS-compatible** and **sunlight-readable display**
- **High computing** and **graphics performance** for demanding applications
- High-performance **video processing**
- **Wide-connectivity** to any vehicle position, including driver, gunner and commander
- **Dual Ethernet featuring redundancy** for safe operation
- **Easy** local or remote **maintenance**

**BARCO**

Visibly yours

# Technical specifications of SV-126

Display	
Panel size	10" diagonal
Resolution	1024x768 (XGA)
Panel specifications	16.7 M colors, 256 gray scales (with patent pending dithering algorithm)
Brightness	Day Mode : max. >686 cd/m <sup>2</sup> / 200fL Night Mode: max. 3.43 cd/m <sup>2</sup> / 1fL, min. 0.0343 cd/m <sup>2</sup> / 0.01fL
Contrast ratio	900:1 @ dark environment
Dimming ratio	Typ. >2000:1 for Day mode, 100 :1 for Night (NVIS) mode
Viewing angle	Horizontal @ CR = 10 ± 70° Vertical @ CR = 10 + 40° / - 70°

Optional rugged low reflection touch screen

## Computing

- Intel Core2Duo P8400, 2.26GHz, 3MB L2 cache
- RAM: up to 4 GB

## Graphics

- Integrated Intel® GMA X4500
- Optional NVidia MXM 880M, 1 GB frame buffer

## Video processing (optional)

- Networked video board with JPEG2000 compression
- CommonSense software for networked, real-time video streaming and processing

## Mass storage

- SATA solid state drives from 8 GB to 128 GB capacity
- Removable drive bay for maintenance purposes

## Input/Output

- 2 Intel PRO1000 Gigabit Ethernet ports, configurable for redundancy and teaming
- 6 x USB 2.0
- 8 serial lines (RS232/RS422/RS485 opto-coupled)
- 2 opto-coupled CAN bus, Can 2.0B compliant
- HD Audio in / out / micro
- 4 video inputs RS170, PAL/NTSC (isolated)
- XMC/PMC slot for additional functionality

## Operating Systems

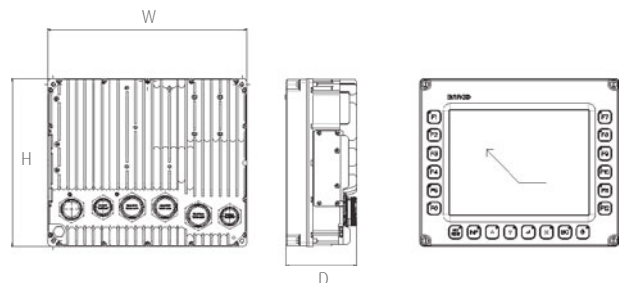
- Windows, Linux (for other OS's, please contact Barco)

## 28V DC Power

- MIL-STD 1275D compliant
- IES compliant
- Power consumption: 70W typ., 100W max.

## Dimensions

- W x D x H: 305 x 105 x 252 mm (12.00"x 4.10"x 9.90")
- Weight: less than 8kg (17.6lbs)



## MIL-qualified for military vehicles

- Vibrations/shocks: MIL-STD 810G
- Humidity: MIL-STD 810G
- Sand/dust: MIL-STD 810G
- Fluids: MIL-STD 810G
- Salt fog: MIL-STD 810G
- Operating temperature -25°C/-13°F, +65°C/150°F (MIL-STD 810G) even up to 71°C/160°F (limited in time)
- Non operating temperature -46°C/-50°F, +85°C/185°F (MIL-STD 810G)
- EMI/EMC: MIL STD 461F

## Maintenance

- Fanless design
- Local and Ethernet access to board identification, MTBF, temperature, history, and status
- Removable drive
- Easy CMOS battery access

M00410-R01-1210-DS

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 [sales.defense@barco.com](mailto:sales.defense@barco.com)

**BARCO**

Visibly yours