

# DPM-2

## Rugged Display Processing Module



### Compact design and MIL-qualified

The DPM-2 is Barco's field-proven rugged Display Processing Module for use in wheeled military vehicles, mobile shelters and naval applications. The Barco DPM-2 delivers the latest in industrial workstation class PCIe graphics and Intel® Mobile Core™ computing performance; packaged in a compact, sealed and rugged enclosure. Barco's DPM-2 rugged computer is fully MIL qualified for use in harsh operating conditions.

### Hardware-accelerated streaming and 3D imaging

Barco's DPM-2 supports networked, real-time video streaming and processing (e.g. image fusion) for better situational awareness and enhanced decision-making. The workstation class GPU enables hardware-acceleration for video streaming and best-in-class 3D imaging.

### Design for integration

The DPM-2 offers wide connectivity to any vehicle position, including driver, soldier and commander. Barco's DPM-2 represents the most reliable mission-critical computer for demanding operations in harsh environments.

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**Product specifications****DPM-2**

<b>General specifications</b>	
<b>Computing</b>	Intel® Dual-Core™ i7-2655LE, 2x 2.2GHz, 8GB ECC RAM
<b>Graphics card</b>	NVIDIA® K2000D
<b>Storage capacity</b>	128GB Removable SSD, SATA II compliant (3 Gb/sec)
<b>Inputs - Outputs</b>	2x Gig Ethernet, 4x RS-232, 1x Audio, 2x DVI-D (clone) 4x USB 2.0, 2x PS/2 1x Maintenance 1x System Reset
<b>Option slots</b>	1x PCIe 1x Video Input expansion slot
<b>Operating system</b>	Microsoft Windows 7 Professional for Embedded Systems, 64-bit
<b>Power Supply</b>	28VDC
<b>Power consumption</b>	Power consumption
<b>Dimensions</b>	420 x 319 x 63mm / 16.5" x 12.6" x 2.5" (w x d x h)
<b>Weight</b>	7.8 kg / 17.2 lbs
<b>Environmental</b>	(MIL-STD-810G) Operating temperature: -30 to +55 °C (+71°C with fans) Storage temperature: -40 to +71 °C Humidity: 95%, 60 °C Altitude: 35,000ft operating, 40,000ft non-operating Salt fog: 48-hours, 5% concentration Sand and dust: blowing sand/dust Ingress protection: IP 65 Vibration: Trailer and Composite Wheeled Vehicles Shock: 40g, 23ms (6 shocks/axis)
<b>EMI / EMC</b>	(MIL-STD 461F) Ground army
<b>Options</b>	
<b>Storage upgrade</b>	256GB Removable SSD, SATA II compliant (3Gb/sec)
<b>Barco Video Input Board</b>	3x PAL/NTSC Video
<b>Operating systems</b>	Microsoft Windows XP, 32-bit RedHat Linux Enterprise Linux 6.x, 64-bit
<b>Barco CommonSENSE Advanced</b>	Includes advanced image processing functions such as fusion
<b>Rugged keyboard</b>	Includes integrated pointing device