

# PWS-101

## 3D workstation for multi-channel displays



Barco's PWS-101 is a powerful 3D workstation that drives multi-monitor personal desktops and small to medium-sized video walls. The PWS-101 unleashes the extreme power of up to two Quad-Core Intel® Xeon® CPUs, high-end 3D graphics acceleration and best-in-class media integration capabilities. PWS-101 represents a fully qualified platform for Barco's CMS network centric control room management suite.

### **Extreme performance**

- High-end 3D graphics acceleration
- Quad-Core Intel® Xeon® processor for concurrent application processing and software-based media decoding
- Dedicated hardware decoding using Barco's media accelerator cards

### **Scalable, fully network centric integration**

- Up to eight monitors can be connected.
- Includes personal workstation and video wall controller
- Collaborates perfectly with Barco's CMS control room management software

### **Robustness and reliability**

- 19" rack mount chassis
- Redundancy options
- Trouble-free, Barco-qualified system component

**BARCO**

Visibly yours

# Technical specifications

<b>General</b>	<ul style="list-style-type: none"> <li>• Quad-Core Intel® Xeon® CPU (1 or 2 CPUs)</li> <li>• 2 GB main memory (extendable up to 3GB)</li> <li>• Dual 10/100/1000 Mbit onboard LAN (redundant)</li> <li>• Redundant hot swap power supply (single power supply option)</li> </ul>
<b>Output</b>	<ul style="list-style-type: none"> <li>• Up to 3840x4800/7680x2400 pixels</li> <li>• Supported display setups:             <ul style="list-style-type: none"> <li>◦ XGA/SXGA: 1x1   2x1   3x1   4x1   1x2   2x2   3x2</li> <li>◦ SXGA+   WUXGA: 1x1   2x1   (2x2)</li> <li>◦ Up to 3840x2400: 1x1   2x1   1x2</li> </ul> </li> <li>• Dual/Single Link DVI interfaces</li> </ul>
<b>Inputs</b>	<ul style="list-style-type: none"> <li>• 3 PCI-X slots for Barco's media accelerator cards</li> <li>• Streaming video via Barco's second-generation Streaming Video Card (SVC-2)</li> <li>• Connectivity with Barco's networked broadcast monitoring system (NBMS) via Barco's J2K Decoder card (on request)</li> <li>• Analog video through Barco's Quad Analog Video input card</li> <li>• Analog &amp; digital computer sources through Barco's Dual DVI-I Input card</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 19" rack mount case, height in rack units 4U</li> <li>• Width 440 mm   17.32"</li> <li>• Width, including fixation 482 mm   18.98"</li> <li>• Depth 566 mm   22.28"</li> <li>• Depth, including handles 616 mm   24.25"</li> <li>• Height 177 mm   6.97"</li> <li>• Height (standalone, with rubber feet) 183 mm   7.20"</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• With redundant Power Supply, no input cards (approx.) 23.3 kg   49.2 lbs</li> <li>• With single Power Supply, no input cards (approx.) 20.8 kg   43.7 lbs</li> </ul>
<b>Mains</b>	<ul style="list-style-type: none"> <li>• Power supply 100-240V, 60   50 Hz</li> <li>• Power consumption 400 W</li> </ul>
<b>Operating conditions</b>	<ul style="list-style-type: none"> <li>• Temperature 0-40°C   32-104°F</li> <li>• Humidity max. 80% (non-condensing)</li> </ul>
<b>Sound pressure level</b>	<ul style="list-style-type: none"> <li>• With redundant power supply (2m in front, typ.) 47.2 dB(A)</li> <li>• With single power supply (2m in front, typ.) tbd dB(A)</li> </ul>