

# 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 network-centric control room management software CMS-100.

### **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 six monitors can be connected.
- Includes personal workstation and video wall controller
- Collaborates perfectly with Barco's CMS-100 control room management software

### **Robustness and reliability**

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

**BARCO**

Visibly yours

# Technical specifications PWS-101

## General

- Quad-Core Intel® Xeon® CPU (1 or 2 CPUs)
- 2 GB main memory (extendable up to 3GB)
- Dual 10/100/1000 Mbit onboard LAN (redundant)
- Redundant hot swap power supply (single power supply option)

## Output

- Up to 3840x4800/7680x2400 pixels
- Supported display setups:
  - XGA/SXGA: 1x1 | 2x1 | 3x1 | 4x1 | 1x2 | 2x2 | 3x2
  - SXGA+ | WUXGA: 1x1 | 2x1 | (2x2)
  - Up to 3840x2400: 1x1 | 2x1 | 1x2
- Dual/Single Link DVI interfaces

## Direct Inputs

- 3 PCI-X slots for Barco's media accelerator cards
- Streaming video via Barco's second-generation Streaming Video Card (SVC-2)
- Connectivity with Barco's networked broadcast monitoring system (NBMS) via Barco's J2K Decoder card (on request)

## Dimensions

- 19" rack mount case, height in rack units 4U
- Width 440 mm | 17.32"
- Width, including fixation 482 mm | 18.98"
- Depth 566 mm | 22.28"
- Depth, including handles 616 mm | 24.25"
- Height 177 mm | 6.97"
- Height (standalone, with rubber feet) 183 mm | 7.20"

## Weight

- With redundant Power Supply, no input cards (approx.) 23.3 kg | 49.2 lbs
- With single Power Supply, no input cards (approx.) 20.8 kg | 43.7 lbs

## Mains

- Power supply 100-240V, 60 | 50 Hz
- Power consumption 400 W

## Operating conditions

- Temperature 0-40°C | 32-104°F
- Humidity max. 80% (non-condensing)

## Sound pressure level

- With redundant power supply (2m in front, typ.) 47.2 dB(A)
- With single power supply (2m in front, typ.) tbd dB(A)



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Barco is an ISO 9001 registered company.  
Technical specifications are subject to change without prior notice.  
The latest version of this product sheet can be found on [www.barco.com](http://www.barco.com)

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