CMS-200

Control room management suite

Barco's CMS-200 software is an advanced control room management suite which allows for easy display wall management, efficient collaboration and fast decision-making in any control room. Barco's control room management suite provides operators and decision-makers with easy access to information and allows them to connect to information, to configure how it is displayed, and to collaborate in the most efficient way.

Connect
Thanks to its networked concept, Barco's CMS-200 software enables users to easily connect to a multitude of sources, regardless of where the information has to be presented - on small LCD displays, video walls or operator workstations. Since all sources are available over the network, no dedicated hardware is necessary to visualize the information.

Control
Barco's CMS-200 software offers nearly unlimited possibilities to control and manage displays and sources. Thanks to the usability-engineered CMS environment, managing information is done intuitively.

Collaborate
With CMS-200, Barco has redefined control room collaboration. Through the unique concept of Perspectives, CMS allows to make more efficient use of the control room display estate, and to share user-defined information views with colleagues more efficiently.

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Features and compatibility requirements

Features

Central Server
· Central setup & connection management
· Central configuration database
· Fully distributed & modular component technology
· Fast set-up
· Browser based user interface
· Auto-detection of network sources
· Control Panel
  - Online configuration of sources, displays & system variables
  - Backup & restore capabilities
  - Advanced remote logging
· Integration
  - Fully featured Web services based API covering all functions
  - Legacy RS-232 and TCP/IP API support
· Apollo compatible API
· Audit trail support (NERC, CIP-7)
· Authorization & security:
  - User management
  - Active directory & LDAP support
  - Roles & permissions

Client Software
· Zero maintenance
· Automatically saves the user's work
· Sidebar
  - Minimal use of screen estate
  - Live search for fast browsing
  - Source browser to open any source quickly
  - Fully drag and drop enabled
  - Minimal learning curve
  - Audio decoding of video streams
  - Full resolution and frame rate preview of all supported sources
· Mini Display
  - Remotely monitor displays over the network with the actual preview of all sources shown
  - Drag and drop from sidebar to mini display for quick perspective changes
  - Integrated soft KVM for remote control of displays
· Perspectives
  - One window with multiple sources
  - Perspectives can be opened and shown on both workstations and displays alike
  - Standard and custom tiling configuration
  - Share perspectives with other workstations or displays
  - Integrated soft KVM for remote control of sources
  - Decorators including: UMD, IDC, Source Name, Time (time zone aware), Date, Text, Logo, Message Ticker, Source status

Display Agent
· Save and load layouts (complete display presets including perspectives and applications)
· Desktop Manager
  - Start, stop and position applications & sources freely over the complete desktop
· Remote Pointer
  - Remote keyboard and mouse control from and towards other networked desktops (bi-directional)

Supported sources
· Analog & Streaming Video (compatibility list on request)
· Analog (RGB) and Digital (DVI-I)
· Networked desktops (VNC)
· Networked multi-channel workstations and Applications (Pro Sources)
· Intranet & Internet
· Barco JPEG 2000 streams
· Embedded & external audio formats

Compatibility requirements

Central Server
· Any Windows 7 Ultimate 64 bit, Windows Server 2008 R2 64bit, Windows Server 2012 64bit Server (Note: Microsoft Windows XP SP3 support was discontinued with CMS version 2.5)
· Barco provided IBM/Dell dual Xeon server
· Minimum 150 GB free hard disk space
· Minimum 4 GB memory
· At least 3.0 GHz quad core CPU or equivalent

Display controllers
· Any Microsoft Windows XP SP3 32bit, Windows 7 Ultimate 32 bit, Windows 7 Ultimate 64 bit PC
· Nvidia Quadro 2000D preferred for full feature support
· Frame Grabber support (in Barco controllers)
· Minimum 10 GB free hard disk space
· Minimum 4 GB memory
· At least 2.16 GHz quad core CPU or equivalent

Sidebar
· Any Microsoft Windows XP SP3 32bit, Windows 7 Ultimate 32 bit, Windows 7 Ultimate 64 bit PC
· Nvidia Quadro 2000D preferred for best feature support
· Frame Grabber support (in Barco controllers)
· Minimum 10 GB free hard disk space
· Minimum 2GB memory
· At least 2.16GHz dual core CPU or equivalent

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