

CMS

Control room management suite



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

CMS relies on industry standard networks, application servers, software, decoding technologies, workstations and video walls. The risk-free approach of combining proven technology with a networked architecture gives your control room system an unmatched flexibility and availability.

Control

Customers who have invested in a VMS or PSIM solution, can also benefit from the open and secure API in CMS, which allows the software to fit into the leading situational awareness applications.

All-round control room management

Barco's CMS monitoring and collaboration software proves its power in various control room type of environments. From Traffic and Surveillance scenarios to Utilities, Process Control, C4I and Broadcast uses, Barco's CMS suite allows operators to make the most of their complex networked control room environment.

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
- Full redundancy and support (optional)
- **Control Panel**
 - Online configuration of sources, displays & system variables
 - Backup & restore capabilities
 - Advanced remote logging
 - Scheduled backup
 - Full localization support (optional)
- **Integration**
 - Fully featured Web services based API covering all functions
 - Legacy RS-232 and TCP/IP API support
 - Encrypted communication available
- **Authorization & security:**
 - Secure user management
 - Active directory & LDAP support
 - Roles & permissions
 - Firewalls engaged on all components
 - Encrypted access to administrative functions

Client Software

- Zero maintenance
- Automatically saves the user's work
- Full localization support (optional)
- **Sidebar**
 - Easily explore the complete system
 - 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
- **Launch pad**
 - Intuitive wall and layout control
 - Zero install
 - Web based
 - Supporting all web browsers
- **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
 - Application automation (macro recording of mouse and keyboard actions)
- **Remote Pointer**
 - Remote keyboard and mouse control from and towards other networked desktops (bi-directional)

Supported sources

- Analog & Digital/Streaming Video
- Analog (RGB) and Digital (DVI-I) sources
- Networked desktops (VNC)
- Networked multi-channel workstations and Applications (Pro Sources)
- Intranet & Internet sources
- Embedded & external audio formats
- Localization
- Default language: English
- Available languages: French, German, Spanish, Portuguese, Chinese (Simplified), Arabic, Russian, Turkish, Polish, Japanese

Compatibility requirements

Central Server

- Barco certified server for networked visualization environment or any Windows 10 Pro 64 Bit, Windows Server 2012 R2 64 Bit, Windows Server 2016 Standard 64 Bit
- Minimum 150 GB free hard disk space
- Minimum 16 GB instead of 4 GB memory
- At least 3 GHz, multicore compound bandwidth

Display controllers

- Any Microsoft Windows 10 Enterprise 64 Bit
- DirectX9c compatible graphics card, at least 256 MB VRAM and hardware accelerated GPU
- Frame Grabber support only in Barco NSD and ECU-200 controllers
- Minimum 30 GB free hard disk space
- Minimum 4 GB memory
- At least 2 GHz, max dependent on locally rendered video and application in case of Display Agent

Sidebar

- Any Microsoft Windows 10 Enterprise 64 Bit
- DirectX9c compatible graphics card, at least 256 MB VRAM and hardware accelerated GPU
- Frame Grabber support only in Barco NSD and ECU-200 controllers
- Minimum 30 GB free hard disk space
- Minimum 4 GB memory
- At least 2 GHz, max dependent on locally rendered video and application in case of Display Agent

M00320-R04-0721-DS July 2021

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