

Broadcast monitoring suite

Connect once, display anywhere



Barco's broadcast monitoring suite allows to install, configure and monitor the Networked Broadcast Monitoring System (NBMS) in the most intuitive way. It is the preferred application for content distribution in applications like production, master control, play out centers, uplinking and transmission.

Barco's broadcast monitoring System suite monitors the complete hardware platform, consisting of source capturing units, the interconnecting IP network and display generating units. As such, it supports high-quality, low-latency distribution of video sources and metadata over an IP network towards multiple screens.

BARCO

Visibly yours



SOURCE B

SOURCE C

SOURCE D

SOURCE D

SOURCE E

SOURCE F

SOURCE 1

SOURCE 8

SOURCE 15

SOURCE 22

SOURCE 23

PREVIEW

SOURCE 2

SOURCE 5

Connect once, display anywhere

Flexibility and ease of use for operators

Barco's broadcast monitoring software has a networked architecture, which enables operators to monitor their broadcast processes and visualize video content in real-time from anywhere in the facility. In the NBMS environment, operator workstations function as personal displays. This way, broadcast monitoring can be performed in the everyday office environment.

Connect once, display anywhere

Thanks to the distributed NBMS architecture, the broadcast monitoring software allows operators to only configure their sources once for the entire network. Additionally, all related source information, such as audio or VBI data, is immediately available during configuration.

Productivity without boundaries

Barco's broadcast monitoring suite allows operators to be more productive by making use of templates and an intuitive drag & drop interface. The system's extended metadata monitoring and alarm capabilities enable proactive monitoring by exception, which improves operational efficiency and reduces downtime.

Extensive functionality

Barco's broadcast monitoring suite allows to control analog and digital broadcast video, audio and embedded audio, externally generated metadata and proprietary third-party content. To enhance the efficiency and comfort of day-to-day operations, Barco's broadcast monitoring software is built around an open API, which makes it more scalable and fit for integration and functionality extension by third-party integrators.



The power of the network

The power of the network

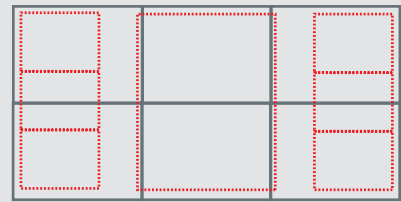
Barco's broadcast monitoring suite is based on a server-oriented software architecture. The central server, accessible from anywhere in the network, communicates with all available NBMS components in the network environment. Be it a display module, a display controller or a decoder board, as long as it is part of the NBMS network, it can be monitored.

Zero-maintenance

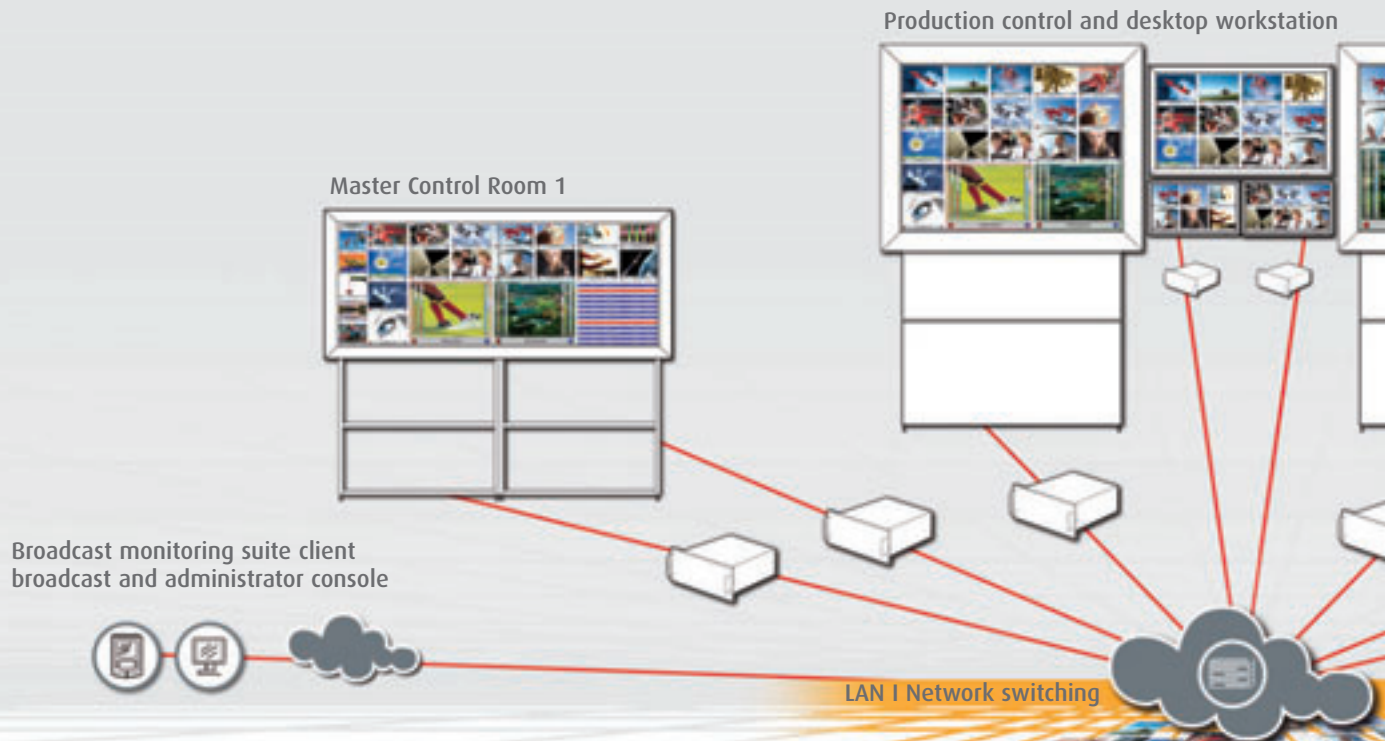
Upgrading used to be very time-consuming effort, especially when dealing with a large number of controllers and displays. With Barco's broadcast monitoring suite however, the process of upgrading is automated. The broadcast monitoring suite server will make sure you will always have the latest software running on all devices. The server automatically detects and configures all available components in the network, requiring hardly any user interference.



One video source can overlap multiple screens in a video wall.



Multiple screens, connected to multiple controllers, can be managed as one large display wall.



Sources (video, audio, alarms, VBI data, ...)

Content monitoring without boundaries

Flexible display management

With Barco's broadcast monitoring suite, managing layouts and displays is easy. With nearly unlimited positioning possibilities, you can create layouts according to your personal preferences.

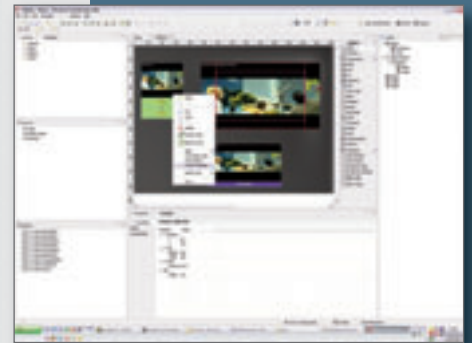
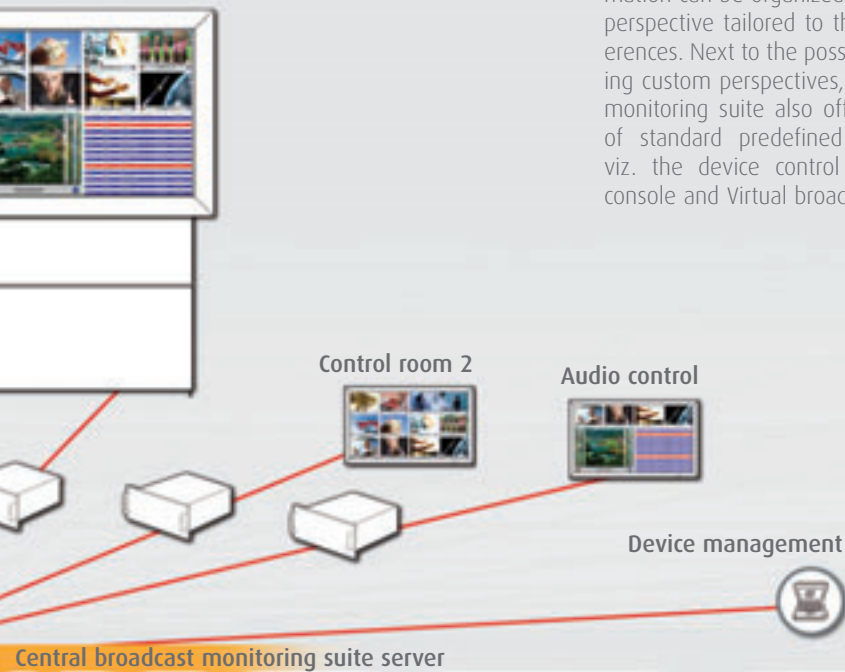
Be it with an LCD display or a complete projection system, display management today is based on working with walls instead of single screens. A display wall can consist of a single screen or a number of single screens. This extends the possibilities. For example, you can display one video source across multiple single screens. On the other side of the spectrum for example, displays connected to multiple controllers, can be managed as one large display wall.

Smart layout creation

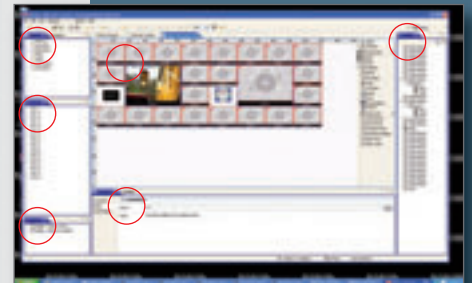
Barco's broadcast monitoring suite makes use of the powerful concept of templates, which allows operators to save time and be more efficient when creating layouts. You can build your own templates by combining video dis-plets, UMDs, tallies, audiobars, etc. into one view, arranged according to personal preference.

Templates are inherently re-usable, which makes them an ideal tool for rapid and flexible layout creation. Instead of creating a specific layout for each video image, you can use templates to create a compound, and drag and drop all the necessary displets to your layout.

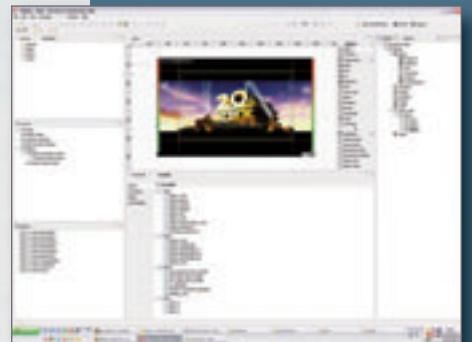
The broadcast monitoring suite includes several views, including the display view, layout view, alarm view, outline view, synoptic view etc. All this information can be organized into a specific perspective tailored to the user's preferences. Next to the possibility of creating custom perspectives, the broadcast monitoring suite also offers a number of standard predefined perspectives, viz. the device control console, edit console and Virtual broadcast console.



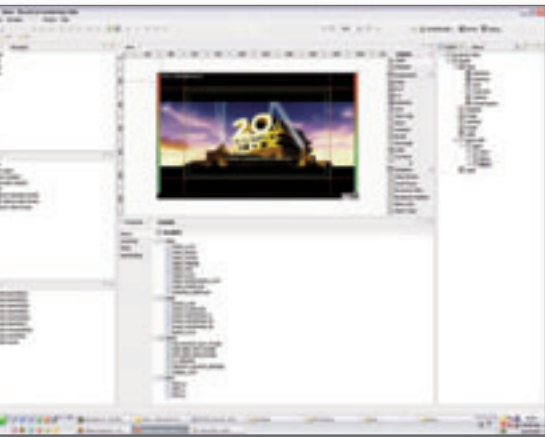
Templates are an ideal tool for rapid and flexible layout creation.



Different views can be combined into one perspective.



Organize by dragging and dropping.



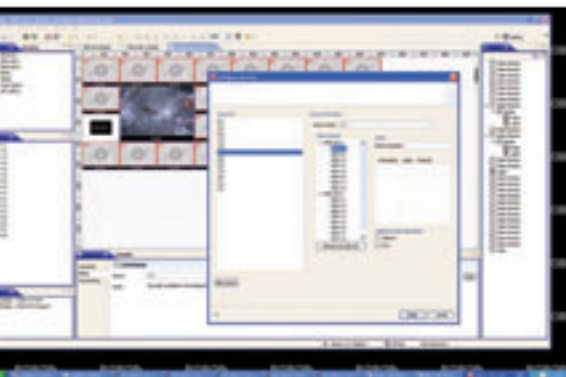
A simple click can send your layouts to the screen.

The broadcast monitoring suite makes use of professional graphics capabilities to simultaneously visualize and monitor information on different displays. It uses target display regions with various resolutions, color depths, aspect ratios, window configurations and drawing acceleration capabilities.

The Virtual Broadcast Console provides an overview of all available layouts and sources presented as large thumbnails. This overview can also easily be used on a touch screen type of monitor. This way, you can manually change layouts with a simple click.

Worry-free device management

The broadcast monitoring software provides a continuous overview of and control over all available equipment in the NBMS environment, including LCD displays, projection modules, display controllers, input and interface modules. The server will communicate with all devices in the network and will make sure that configurations, firmware, IP addresses, etc. are continuously up to date.

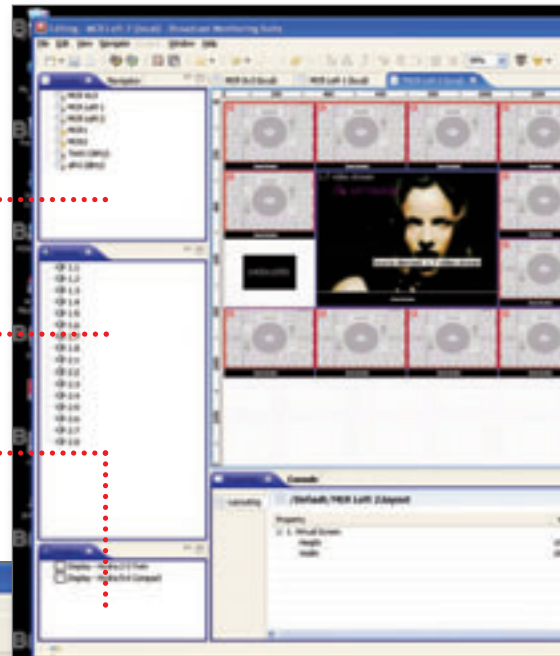


The Virtual Broadcast Console with some predefined layouts.

Layouts

Sources

Displays



Virtual Broadcast Console - Broadcast Monitoring Suite



Wall & layout selection

Source selection

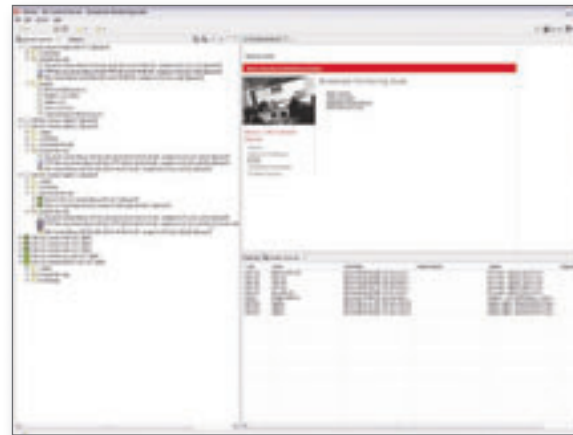
Content monitoring without boundaries

Efficient use of the network

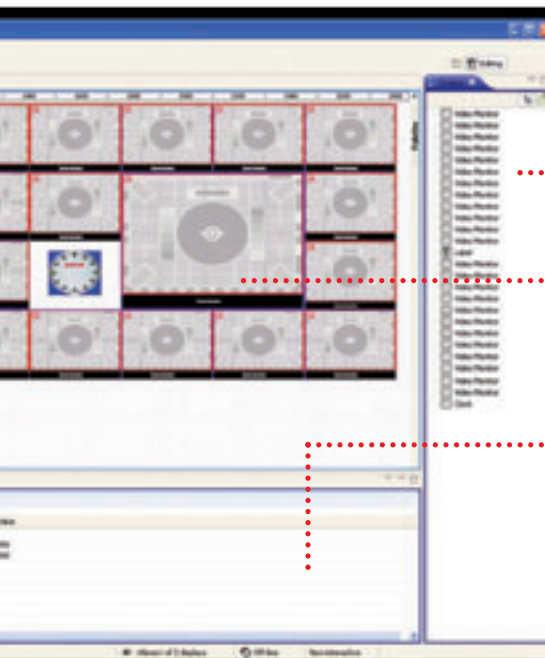
When a multitude of sources has to be continuously available, media management can significantly add to the efficiency of your network. Barco's broadcast monitoring suite therefore handles the network environment in an intelligent way. Depending on the available bandwidth, source size, etc., the broadcast monitoring suite will optimize the use of the network for maximum efficiency of your operations.

Process monitoring and alarm management

As a quality monitoring solution, Barco's broadcast monitoring suite allows you to visualize and handle alarms based on internal and external notifications. A wide range of alarms can be handled, including hardware alarms, source alarms, GPIO alarms and software alarms.



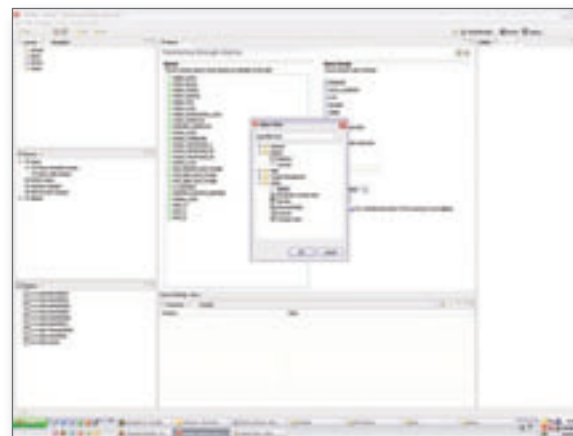
Worry-free device management
A continuous overview of all devices in the network.



Outline of templates

Layout editor

Properties



Process monitoring and alarm management
Effectively visualizing and handling alarms.



Virtual Broadcast Console

Innovation in broadcast visualization

Broadcast companies worldwide have chosen Barco's visualization solutions for their monitoring and studio needs. Be it for TV shows or news studios, broadcast or distribution monitoring rooms, screening, training or post production environments, broadcast professionals know that Barco offers technology they can trust.

Barco's commitment to quality, extensive R&D efforts and proven flexibility towards customers' needs guarantee that their investment is ready for the future.

Next to reference monitors, Barco also offers networked multiviewers, DLP- and LED-based video walls and large-screen LCD monitors, all delivering the most accurate, color-calibrated images.



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Barco is an ISO 9001 registered company. The information and data given are typical for the equipment described. However any individual item is subject to change without any notice. The latest version of this product sheet can be found on www.barco.com.

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