

NBMS

Networked broadcast monitoring system



Barco's Networked Broadcast Monitoring System (NBMS) enables operators to monitor broadcast processes and visualize video in real-time anywhere in the facility or from any another location.

This innovative solution allows high-quality, low-latency distribution of video sources and metadata over an IP network towards multiple screens, even in separate control rooms, hereby offering ultimate flexibility for broadcast and distribution monitoring. As such, Barco's Networked Broadcast Monitoring System goes beyond the functionality of a traditional multiviewer, towards enterprise-wide monitoring.

Why choose Barco's networked broadcast monitoring system?

- Monitor and visualize your content from anywhere in the facility.
- Easily monitor your sources over large distances.
- Expand your system with any type and any number of inputs and outputs in a cost-effective way.
- Present your content on any display, from desktop PC to video wall.
- Visualize any source format, from thumbnail to full HD size.

Barco's NBMS solution consists of:

- High-quality rear-projection modules or LCD panels: A single screen is capable of simultaneously displaying multiple sources together with related metadata, audio metering information and computer applications. Two or more modules can be combined into a huge display wall to monitor hundreds of signals.
- A networked hardware platform consisting of source capturing units, the interconnecting IP network and display generating units. All components are designed as standard rack-mountable chassis.
- An NBMS software package allowing complete system control and accessible from any system network connection.

Facility-wide access to content Barco's networked broadcast monitoring system enables operators to monitor their broadcast processes and visualize video content in real-time from anywhere in the broadcast facility. The distributed architecture of the NBMS enables video to be captured once, on any location, and distributed and displayed as many times as required in any location.

Monitoring over large distances With Barco's networked broadcast monitoring system, sources are streamed over a classic multicast IP network, so distance does not matter anymore. NBMS even opens up the possibility to remotely monitor studios, broadcasts, head-ends, remote transmitter sites, or to make use of back-up sites or follow-the-sun control center operations.

Scalability without losing flexibility There is no limit on number of inputs or outputs. No recabling is required when adding sources or displays or when changing the configuration.

Source presentation on any display Barco's NBMS allows for more flexibility as to where the source needs to be displayed. From small PC workstation to large video wall, NBMS can present scaled content for any type of display with a high granularity.

Monitoring on PC With the encoded video sources available on the visualization network, a powerful PC, or one equipped with a dedicated J2K decoder card, can simply present the video content at high quality and low latency by means of any viewer (e.g. Windows Media Player).

Smart layout creation NBMS makes use of a rich set of predefined layout templates, which allows operators to save time and be more efficient when creating layouts. You can also build your own templates by combining video displets, UMDs, tallies, audiobars, etc. into one view, arranged according to personal preference.