iSurveillance

Managed security monitoring

INTELLIGENT
INNOVATIVE
INTEGRATED
INTERACTIVE
Display up to 64 channels in real time on one single display

A true surveillance environment is designed to provide a real time collaborative work experience for monitoring, response dispatching/co-ordination, access/flow control, recording and overall systems control for 24/7 operations. Barco's iSURVEILLANCE solutions are tailored to optimally facilitate these functionalities and make your surveillance environment more efficient for both small and large or complex surveillance centers.

Barco's iSURVEILLANCE is currently the most advanced all-in-one solution for managed monitoring. It consists of a high-quality display with rear-screen projection, a graphic controller, and Web-based operating software. One projection module can display up to 64 video or graphics windows simultaneously.

Two or more modules can be combined into compact surveillance systems or into a huge display wall to monitor hundreds of cameras. iSURVEILLANCE acts as a single point of control and includes advanced warning capabilities.

With iSURVEILLANCE, operators are no longer confined to a limited number of monitors. They can now size and move a virtual monitor anywhere on the screen for maximum viewing. No space is wasted for window or monitor borders. This enables display of a higher number of video sources in the same amount of space and with the same number of operators.
For all applications

The simultaneous display of images and data, and the flexible and user-friendly control of these sources, has become increasingly important in today’s surveillance centers.

In addition to displaying data applications onto the display wall, users want to be able to bring traditional A/V sources onto the display wall. This functionality in combination with the data applications works together seamlessly on Barco’s iSURVEILLANCE solutions.

As advanced multiple software platforms are increasingly used, Barco’s iSURVEILLANCE solutions support other applications across different networks and operating systems (e.g. X-windows, Microsoft Windows and various other analog/digital inputs, as well as applications).

Barco offers a number of standard iSURVEILLANCE solutions (e.g. 50” and 67” modules with a Hydra controller) which typically accommodate smaller surveillance environments in both transport and campus surveillance. These standard solutions are highly appreciated for their compactness and high-density video display possibilities.

Barco’s customized iSURVEILLANCE solutions are used for larger surveillance environments and take into account customer-specific ergonomic, architectural, and application requirements.

Barco iSURVEILLANCE is regarded as the ideal solution as it leads to considerable savings in space, weight and power consumption.
High density video (top) and integrated video/data applications (bottom) on Barco's iSURVEILLANCE solutions.

TAINMENT • EDUCATION • PUBLIC SPACES • ...
Business value

- High efficiency and reliability, less operational and maintenance costs
- Exceptional functionality across all surveillance applications
- Easy integration of alarm indicators and scenarios
- Unequalled flexibility allowing layout changes and various input types
- Future-proof scalability and Digital Migration Ready

High efficiency and reliability, less operational and maintenance costs

iSURVEILLANCE’s design makes it a very reliable system with a quality of service you can count on 24 hours a day, 7 days a week.

The iSURVEILLANCE solutions are powered by Barco’s family of network controllers - the Hydra, Eos, and Argus.

The Hydra controller has a hot-swappable power supply, it operates diskless and is typically suited for high-density video applications.

The Eos and Argus controllers allow the user to achieve full interactive wall functionality.

The projection modules incorporate lamps with a very long lifetime and are replaced in less than a minute. Barco has a range of dual-lamp projection modules based on digital visualization technologies (Poly-Silicon and DLPTM).

A built-in second lamp will make you rely for 100% on the availability of your display wall. Its software allows you to run the lamp in hot or cold stand-by, it keeps track of the 2 lamp lifetimes and detects lamp failure. Barco’s iSURVEILLANCE is unique in that it offers constant display quality even when switching from one lamp to the other.

Moreover, Barco’s lamp leasing program allows you to efficiently control operational costs.

• Integrated solution, i.e. no quad multiplexer, cabling...
• Designed for 24/7 operation
• Easy, cost-effective maintenance
• Front or rear access to projection unit
• Lamp replacement in less than a minute
• Average lamp lifetime of 8000 hours in 24/7 operation
• Hot-swappable power supply in Hydra graphic controller unit
• Incorporates dual lamp
Exceptional functionality across all surveillance applications

Barco’s iSurveillance solutions are tailored to the needs of most surveillance environments:

Verification and surveillance applications:
- Security surveillance and enforcement
- Incident or event detection/confirmation (e.g. parking lot full)
- General inspection or inventory control (e.g. shipyard container counting)
- Maintenance and/or control operations (e.g. remote verification of gate operations)
- Sensor information collection

Monitoring and control applications:
- Public informational update (e.g. CMS, flight schedules)
- Public advertising or entertainment

Transactional applications:
- Video or image verification (e.g. security verification and payment systems)
- Remote real time control (e.g. remote crane operations, incident management)
- Real time conferencing (e.g. video conferencing remote classrooms)

More efficient display space
- Less power consumption
- Less electricity costs
- Less heat output (less A/C required)
- Less components and cables
- Less maintenance labour and less failure points
- More reliable dual lamp projectors

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Easy integration integration of alarm indicators and scenarios

iSurveillance can provide users with an automatic and integrated platform to process and display multiple relevant signals for specific events or user perspectives.

In addition, iSurveillance solutions also support scenarios. A scenario is when the display layout is changed in response to the reception of an automated alarm, such as dry contacts or software messages in order to bring the relevant views to the attention of the operators. The scenarios feature allows management by exception.

Video alarming
Video loss, freeze frame and may be customized

Text insertion
Multi-line and flexible font definition

Border and background definition
Color, border distance from image edge and width of actual border

Alarm inputs to change layouts
Via dry contact and via API commands

Easy integration integration of alarm indicators and scenarios

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Unequalled **flexibility** allowing layout changes and various input types

Whether it be video or computer graphical input, iSURVEILLANCE always guarantees perfectly displayed, flicker-free and steady images. The images are displayed on a high-contrast black screen for wide viewing angles.

The layout of the display wall can easily be adapted from any authorized PC that is linked to the LAN.

All the layouts are created, saved, retrieved, and adapted by means of a Java application running in a standard Web-browser.

You configure and re-configure your display wall according to your requirements, without moving a monitor. Select from the list of available sources, add a clock and text (e.g., source identifiers), drag and drop, enlarge and reduce the windows until the layout satisfies you, and publish it on the display wall.

iSURVEILLANCE even allows control of multiple networked graphical control units from any PC linked to the LAN. Daily operations can be simplified through the use of a touch screen.

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Unequalled flexibility allowing layout changes and various input types

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**Unequalled flexibility allowing layout changes and various input types**

- High density video
- Flexible viewing size and position
- Video and computer graphics overlays
- Integrated applications

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Business value

**Future-proof** scalability and Digital migration ready

**Scalability & modular design**

- Screen size growth by adding projection modules and controllers
- Additional inputs by adding new cards to controllers

**Digital migration to IP/Ethernet**

- Can replace analog video input cards with digital video input cards
- Can support analog and digital signals simultaneously in the same controller
- Multi-standard decoding supported (MPEG-1/2/4, and MJPEG*)

The integrated universal streaming decoders can provide the customer with the following value added savings

<table>
<thead>
<tr>
<th>Category</th>
<th>Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment (in $ costs per channel)</td>
<td>34% to 59%</td>
</tr>
<tr>
<td>Space in Rack Units</td>
<td>7 RU to 48 RU</td>
</tr>
<tr>
<td>Labor (in $ cost)</td>
<td>up to 86%</td>
</tr>
<tr>
<td>Inventory Levels (in $ cost)</td>
<td>12% to 59%</td>
</tr>
</tbody>
</table>

* for the most up to date information, please check the website www.barcocontrolrooms.com
From compact **standard** to complex **customized** solutions

<table>
<thead>
<tr>
<th>Display (screen) size</th>
<th>Typical standard configuration with 50&quot; display</th>
<th>Typical standard configuration with 67&quot; display</th>
<th>Customized solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50&quot; (1,270 mm) diagonal</td>
<td>67&quot; (1,700 mm) diagonal</td>
<td>50&quot; (1,270 mm) to 125&quot; (3,175 mm) diagonal</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Controller</th>
<th>HYDRA COMPACT</th>
<th>HYDRA COMPACT</th>
<th>HYDRA COMPACT HYDRA TRANSFORM A</th>
</tr>
</thead>
</table>

| Total channel capacity | 18                                             | 30                                             | Up to 64 simultaneously per display |
| Video channel capacity | 16 simultaneously                             | 28 simultaneously                             | Up to 64 simultaneously per display |
| RGB channel capacity   | 2 simultaneously                              | 2 simultaneously                              | Up to 64 simultaneously per display |

| Resolution            | XGA 1024 x 768                                 | XGA 1024 x 768                                 | XGA 1024 x 768 SXGA+ 1400 x 1050 |

| Display structure     | OverView-mDG 50-DL                             | OverView-cDG 67-DL                             | Dependent on |
| Dimensions (W x H x D) | OverView-mDR 50-DL                             | OverView-cDR 67-DL                             | - Screen Size |
|                      | 1,000 x 750 x 664.5 mm                         | 1,368 x 1,026 x 942 mm                        | - Controller Type |
|                      | 39.4 x 27.6 x 26.2 inches                      | 53.8 x 40.4 x 37.1 inches                     | - Number of Screens |

For updated product information see [www.barcocontrolrooms.com](http://www.barcocontrolrooms.com)
With a worldwide market share of over 50%, Barco Control Rooms has become the industry standard in the field of monitoring solutions for Control & Operation Centers in telecom, traffic, surveillance, public utilities, broadcasting, finance and service providing companies. Barco Control Rooms is renowned for its flexible, market-specific approach, successfully implemented in over a thousand control rooms worldwide.

Fully committed to quality, Barco Control Rooms offers full technical support as well as on-site training. With its head offices in Belgium and Germany, Barco Control Rooms is represented in more than 30 countries across the globe. With a yearly R&D effort of 10% of its turnover, Barco Control Rooms ensures it remains at the forefront of technology.