

FLIR and Barco

FLIR Cameleon incorporates Barco CMS visualization

FLIR, world leader in thermal imaging infrared cameras, has expanded functionality of its command and control software Cameleon with CMS visualization support. CMS, or Control Room Management Suite, is a control room visual collaboration platform from Barco, global leader in visualization for mission critical applications. The combination of both platforms allows the operator to **View Better, Share Faster, Resolve Quicker**.

FLIR

Cameleon is a Windows-based software platform providing a huge range of solutions including video management, perimeter surveillance, gate control systems, automated camera tracking, lane control, and many others. FLIR 360 Surveillance has been providing integrated solutions to hundreds of security and transportation customers since 1998.



Barco

Barco provides flexible and mission-critical visualization software and hardware products consisting of high-quality displays, rear-projection and near-seamless LCD video walls, graphics controllers and a **control room management suite (CMS)** – an advanced software for easy display wall management, efficient collaboration and fast decision making based on sharing the right visual information at the right time easily.

General Concept

The operator in the control room uses the Cameleon desktop client with access to external monitors as well as one, or several, Barco video walls and manages camera content through simple drag-and-drop actions. The operator has a preview of the video wall layout, as well as previews of the several available pre-programmed layouts that can be selected. Upon log-in, the operator is automatically presented with the desired view of the active layout on the video wall. The Cameleon interface also includes the capability to drag-and-drop the desktop content of operator screens to the video wall(s).

Benefits

- **No Training required through Single User Interface** - Cameleon's integration with Barco not only includes automatic switching of content in video wall windows, but also dynamically displays the current layout of the wall in an easy-to-understand user interface. The operator requires no specific training to manage the video wall.
- **Situational Awareness Anywhere** – Cameleon's integration takes full advantage of the fact that CMS is able to manage and distribute content and layouts on several displays, not just one video wall, thus creating situational awareness wherever needed.
- **Share Faster** – Cameleon's integration includes the concept of pushing content from operator workstations to video walls through the same drag and drop interface as is familiar for cameras.
- **Proven** – This is the second generation after integration between Cameleon and Barco's previous platform Apollo. This integration leverages what has been learnt from the first integration, as well as takes full use of the distributed nature Barco's CMS (Control Room Management Suite) visualization platform.

Barco CMS Functionality within FLIR Cameleon



Fig 1

The typical implementation of the Barco driver within the Cameleon operator client provides for a dedicated monitor within a multi-headed operator monitor set-up.

The operator enjoys a very user-intuitive interface with:

- Automatic virtual preview of the current active layout on the selected Barco video wall;
- Preview of the pre-programmed layouts available on the selected Barco video wall;
- Other operator workstations available to share to the Barco video wall as DVI insertions;
- The functionality above is available for any Barco video wall (or CMS-powered display device for that matter) selected in the facility.

At any time the video wall layout can be populated by either cameras from a Cameleon client map or from workstation content – all through intuitive drag & drop.

Upon starting up the workstation, it will automatically detect and preview the current active layout on the respective video walls.

As such all major wall content management functionality for the operator can be executed from the Cameleon user interface. Any other admin related tasks can still be executed through the Barco CMS interface. Also, mixed workflows of combined Cameleon and CMS Sidebar use are supported.

Architecture

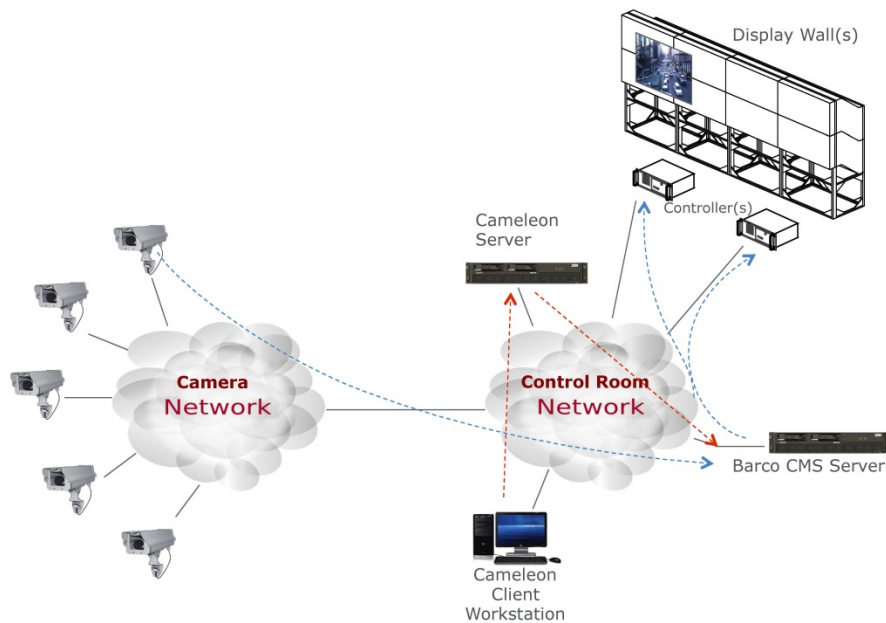


Fig 2

Source streaming

Source Control

Through camera drag & drop in the Cameleon Client Workstation, the Cameleon server requests the IP camera to stream to the Barco controller and requests through the CMS server to execute local decoding on the Barco controller(s).

Display Management Control

Through selection of the layout in the Cameleon Operator Workstation, the Cameleon server requests the CMS server to load the requested layout on the Barco wall.

Solution requirements

- FLIR Cameleon v5.0
- FLIR provided Barco driver
- Barco Transform N hardware
- Barco CMS 3.1
- Barco CMS API License (per CMS Server)
- For Barco customers currently using Apollo and/or Transform A, please contact Barco for the migration to CMS
- For FLIR Cameleon customers below version v4.0, upgrades are available through the software assurance program
- IP cameras and/or encoders to be supported by both FLIR Cameleon and Barco, please contact Barco and FLIR for their interoperability lists or forward plans
- Please always contact Barco and FLIR for needs analysis and documented quotations

Request more information

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About the Barco Strategic Alliances program

Great products need great focus. That is why Barco allies with other top players in their fields of expertise to build the best solutions available. By combining complementary strengths, we can optimize the integration of the systems and offer one single system

to the customer. This simplifies deployment, optimizes efficiency, minimizes reaction time, and reduces costs in a variety of selected professional markets. This creates a win/win situation for all parties involved, our customers in the first place.

More information? Please visit our dedicated webpage www.barco.com/alliances