

# Honeywell and Barco

## Honeywell Digital Video Manager incorporates Barco CMS visualization

### Honeywell

Honeywell Building Solutions (HBS) is a leading provider of intelligent security, building, energy and life-safety management solutions and services to thousands of facilities around the world. Honeywell's Digital Video Manager fulfils the core digital surveillance role in our intelligent Security solutions. From design to installation, commissioning to maintenance support, HBS leverages both their global portfolio and their local expertise to deliver customized solutions that solve your business challenges – today and tomorrow.

### 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, professional grade graphics controllers and Control Room Management suite (CMS) – an advanced software for easy display wall management, efficient inter-control-center collaboration and fast decision making based on easily sharing the right visual information to the right decision-makers at the right time.

### General Concept

Control Room operators make use of Honeywell DVM's clients as their primary interface to monitor live video, manage and investigate incidents. The Honeywell DVM clients provide operators with their own personal surveillance workspace while integration with Barco's CMS Video Wall provides the opportunity to share video more collaboratively with other operators and supervisors by calling up and controlling single or groups of cameras to the video wall.

The large display format of a video wall supports a far larger number of cameras than a standard surveillance operator client and thus provides a collaborative and more complete overview of a facility thanks to the large and scalable pixel-space available at the overview visualization level. Integration supports direct streaming from camera or encoder to the video wall to protect against the loss of live view from cameras in the event of a recording server failure.

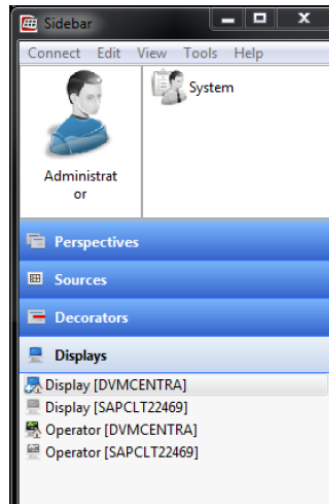
### Benefits

- **Greater situational awareness and more efficient operational workflow** due to the integration of the Barco visualisation within Honeywell DVM's alarm response workflow.
- **Enhanced operational collaboration** via easy sharing of videos in a large display format assisting in faster and more accurate incident response.
- **Improved system resiliency and site security** via an integration architecture that routes video directly from camera to video wall and thus protects live video access against recording server downtime.
- **Reduced training time** courtesy of integrated display management and easier visual collaboration using the familiar DVM user interface while leveraging on the Barco visualization platform.

## Barco CMS Functionality within Honeywell Digital Video Manager

Barco CMS software is part of the Barco OCS (Operational Collaborative System) platform. The CMS Server controls and manages displays and sources. Integration with the Barco CMS software allows Honeywell DVM operators to call up individual cameras – or groups of cameras – to the configured CMS Perspectives using standard or CCTV keyboards such as Honeywell’s UltraKey.

Barco video wall display is divided into two or more tiles using Barco Sidebar, each of these tiles is considered as a monitor in Honeywell DVM.



**Fig. 1**  
*Configuration of DVM video sources in Barco*

Details

### Add Video Wall Controller

\* Controller type:

\* Controller name:

\* Hostname or IP address:

Username:

Password:

Hide password characters

Description:

\*Required fields

Note: Select a controller and click Refresh to ensure that all of the active windows displayed.

Save

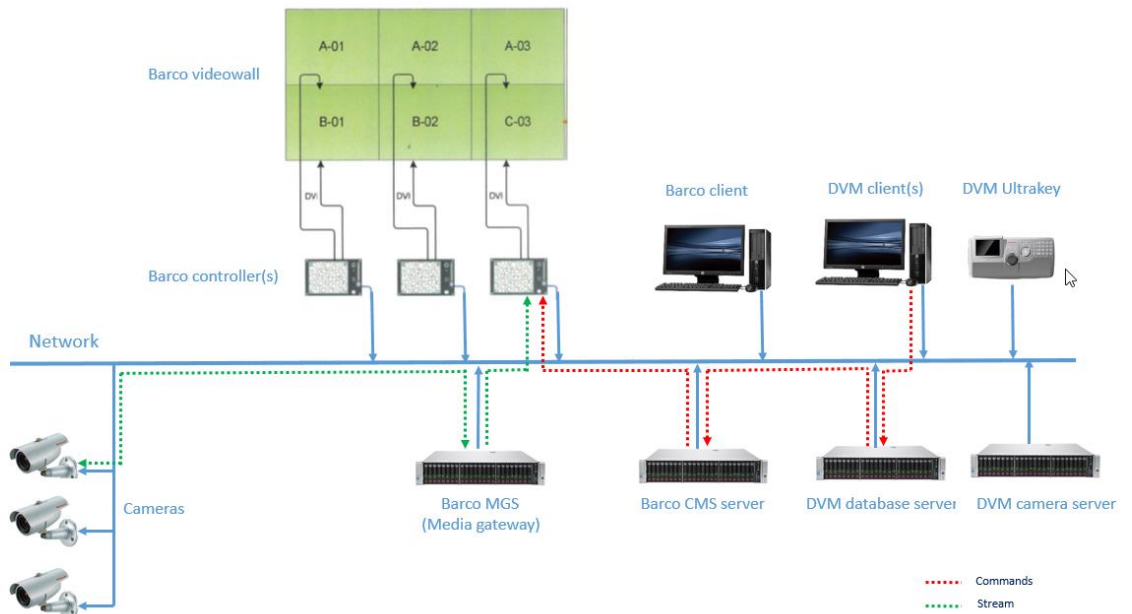
**Fig. 2**  
*Adding a Barco Controller*

Controller/Window	Address	Surveillance	Alarm	Font Name	Font Size
<b>BARCO_1 (Barco)</b>					
Barco_1_Display__DVMCENTRA__001	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Trebuchet ...	16
Barco_1_Display__DVMCENTRA__002	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Trebuchet ...	16
Barco_1_Display__DVMCENTRA__003	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Trebuchet ...	16
Barco_1_Display__DVMCENTRA__004	4	<input type="checkbox"/>	<input type="checkbox"/>	Trebuchet ...	16
Barco_1_Display__DVMCENTRA__005	5	<input type="checkbox"/>	<input type="checkbox"/>	Trebuchet ...	16
<b>DVMNINJA-CS1B (DVM)</b>					
DVMNINJA-CS1B_001	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Trebuchet ...	16
<b>DVMNINJA-DB1A (DVM)</b>					
DVMNINJA-DB1A_001	1	<input type="checkbox"/>	<input type="checkbox"/>	Trebuchet ...	16
<b>DVMNINJA-ESA (DVM)</b>					
DVMNINJA-ESA_001	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vijaya	28

Add Controller  
Delete Controller  
Refresh

**Fig. 2**  
Assigning Display Monitors to Barco

## Architecture



The Barco Media Gateway Server requests and receives multicast live video streams directly from the surveillance cameras based on the live view profile configured for the cameras in Honeywell DVM.

The graphic above reflects the Barco CMS integration with DVM based on the flow of video and command data: video data is shown in green and command data in red. The Honeywell DVM clients send commands to the DVM Database Server which then communicates the commands to the Barco CMS server.

## Solution requirements

- Honeywell Digital Video Manager (DVM) R620 or later.
- Honeywell customers using older releases of DVM should contact their local Sales and Engineering support services for information on migration to the latest version of DVM and Barco CMS integration.
- Honeywell DVM Barco CMS Video Wall Adapter - please refer to the Honeywell DVM Compatibility Matrix and Adapter Software Release Bulletin for version details.
- Barco Transform N video wall hardware.
- Barco Control Room Management Suite (CMS) 2.8, 2.10 or 3.0.
- IP cameras and/or video encoders supported by both Honeywell DVM and Barco - please contact Honeywell and Barco for their respective compatibility documents.
- Multicast network may be required and is normally recommended for transmission of video from cameras/encoders to the video wall.
- Please ensure that you work with your local Honeywell Sales and Engineering support staff to ensure correct solution design for your particular site requirements.

## 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](http://www.barco.com/alliances)