

# Instant VideoWall bundles

## All-in-one visualization solution



Barco's tiled LCD video walls offer the comfort of a large display across various applications, from collaboration spaces to control rooms. In order to ease the configuration task for you, Barco proposes packages containing all the necessary equipment to get your video wall operational in no time. Available in a variety of configurations, these packages include the displays and needed mounting equipment. Optionally these packages can be extended by a wall controller and the additional software that fits your needs.

### Unique Barco all-in-one architecture

The Instant VideoWall is the first of Barco's next generation fit-for-purpose LCD visualization platforms featuring best in class visual performance, award-winning structures, and display management capabilities. The all-in-one architecture comprises:

- Tiled LCD video wall portfolio consisting of 46" and 55" display panels coming in a number of standard configurations with the industry's thinnest ultra-narrow bezel as small as 3.5mm
- Embedded computing for streaming, and TransForm family controllers enabling pixel-accurate display of multi-sensor information
- Display management software for scenario-building and Common-Operational-Picture, and ClickShare functions

### Benefits

- Easy to configure and tailored to typical room types
- Better budgeting and predictable cost for standardized systems
- Validated user experience increasing efficiency

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# All-in-One Barco architecture

The Instant VideoWall contains all the necessary equipment to get your video wall operational in no time. Available in a variety of configurations, the packages include the displays, needed mounting equipment, and optionally the video wall controller with wall management software.

## Excellent tiled visual performance

The OverView OVD-4621 and OVD-5521 excel in brightness and features. The 55" KVD-5521 presents the same high-end features as the OVD range but at a lower brightness level and the EVD-4621 is the least-featured but most economical LCD video wall solution. Barco's OVD and KVD LCD displays feature a super narrow bezel of only 3.5 mm. The EVD's bezels are 5.7 mm in total.

## Zero recalibration efforts

In order to avoid time-consuming manual recalibrations of the LCD video wall, Barco introduces the SenseX automatic color and brightness calibration, an integrated color & brightness sensor in each screen. Along with calibration software (running on an internal processor), this allows to automatically maintain color and brightness uniformity among screens in a videowall, minimizing maintenance and facilitating faster replacements.

## Limited real estate space needed

LCD video walls are by nature very thin, which means they need limited installation space. Barco's LCD panels are also accessible from the front, eliminating the need for a rear maintenance area. The offered mounting structures are the basic proven floor standing and wall hanging concept, and the award-winning OBLX, easy to place through the ground plate without anchoring.



### A controller tailored to your needs

The embedded application processor in the electronic boards of the OVD and KVD displays, enables IP video streaming, and basic cropping and scaling. Next to this, the Instant VideoWall architecture offers optional controller packages, allowing the user to select the controller in function of the needed applications and the respective inputs (DVI, video, Clickshare,...).

### Easy management

Barco Wall Control Manager allows control of a number of properties for individual LCD's or for the whole wall at once, and also performs health monitoring. For high-density content application where scenario-building and more intensive sensor management is required, the Instant VideoWall comes with display management software.

### Longer panel lifetime

Barco's solutions use energy-efficient LED-backlights. Barco's unique LED design allows the heat to be easily removed from the back, to reduce heat being transmitted through the LCD panel in the front. Furthermore, each LCD panel is equipped with 4 temperature sensors to ensure that there are no hot spots on the unit and the fans cool in the most efficient way.



### Energy Star 6.0 Compliant

Each OVD-5521 is Energy Star 6.0 compliant. With the BCM managing a matrix of OVD-5521, the entire matrix is also Energy Star 6.0 compliant.

### Fail-proof power management

Barco's solution provides the user with an option of an internal power supply or a remote power supply (i.e. with the main AC to DC converter unit remotely situated in a rack location up to 100m away). Barco's remote power supply solution is unique as it has not only been designed to be fully redundant, essential in mission-critical applications, but also avoids degradation of LCD panel performance (e.g. brightness) even when deployed at its maximum distance.



# Technical specifications

|  | OVD-5521  | KVD-5521             | OVD-4621             | EVD-4621                            |
|--|---|----------------------|----------------------|-------------------------------------|
| DISPLAY FEATURES                         |   |                      |                      |                                     |
| PANEL                                    |   |                      |                      |                                     |
| Diagonal dimension (inch)                | 55  | 55                   | 46                   | 46                                  |
| Brightness (TYP value) (NIT)             | 700   | 500                  | 700                  | 450                                 |
| Total Bezel size (mm)                    | 3.5   | 3.5                  | 3.5                  | 5.7                                 |
| Dimensions (mm)                          | 1213 x 684 x 98   | 1213 x 684 x 98      | 1022 x 576 x 98      | 1024 x 579 x 98                     |
| Dimensions (inch)                        | 47.8 x 26.9 x 3.9   | 47.8 x 26.9 x 3.9    | 40.2 x 22.7 x 3.9    | 40.3 x 22.8 x 3.9                   |
| Weight (kg)                              | 29.2  | 29.2                 | 22.8                 | 26                                  |
| Weight (lbs)                             | 65.7  | 65.7                 | 50.3                 | 57.3                                |
| Inputs/outputs                           | DVI in, HDMI in, DisplayPort in/out   |                      |                      | DVI in/out, HDMI in, DisplayPort in |
| HDCP support                             | Yes   | Yes                  | Yes                  | Yes                                 |
| Streaming video standards                | Yes( ) Protocol: RTP/UDP multicast; Video compression format: H.264 up to 1080p@60fps, HiP (High Profile) 4:2:0, Level 4.2S"                      |                      |                      | No                                  |
| Available configurations                 | 2x2, 3x2, 4x2   |                      |                      |                                     |
| UNIQUE & SPECIAL FEATURES                |   |                      |                      |                                     |
| SenseX                                   | Yes   | Yes                  | Yes                  | No                                  |
| Full wall Energy star (<0.5W in standby) | Yes   | Yes                  | Yes                  | No                                  |
| 4K Loop through function                 | Via HDMI or Display Port input  |                      |                      | No                                  |
|  |   |                      |                      |                                     |
| PACKAGE COMPONENTS (optional)            |   |                      |                      |                                     |
| Package components                       | Display-structure-controller-display management-cabling   |                      |                      |                                     |
| MOUNTING STRUCTURES                      |   |                      |                      |                                     |
| OBLX freestanding structure              | Yes   | Yes                  | No                   | No                                  |
| Standard mounting structure              | Yes   | Yes                  | Yes                  | Yes                                 |
| POWER                                    |   |                      |                      |                                     |
| Internal power supply                    | Integrated with the display unit with AC feed directly to the unit  |                      |                      |                                     |
| Remote redundant power supply            | Main AC/DC converter unit in remote rack at up to 100m - BCMC control of up to 2 LCDs via Ethernet  |                      |                      | No                                  |
| WALL CONTROLLER & DISPLAY SOFTWARE       |   |                      |                      |                                     |
| Controller inputs                        | DVI: DVI-I, Single-Link-DVI-D, DVI-A; Video: Composite Video PAL/NTSC   |                      |                      |                                     |
| Controller output                        | DVI-D upto 1920x1200  | DVI-D upto 1920x1200 | DVI-D upto 1920x1200 | DVI-D upto 1920x1200                |
| Controller OS                            | Windows-7 64bit   | Windows-7 64bit      | Windows-7 64bit      | Windows-7 64bit                     |
| Power supply                             | 100-240V, 50/60Hz   | 100-240V, 50/60Hz    | 100-240V, 50/60Hz    | 100-240V, 50/60Hz                   |
| Controller redundancy                    | Hot swap Raid-1 HDD and Power supply. 2xLAN   |                      |                      |                                     |
| BCM                                      | Display Control, 1x Display Control License, Operator Stations License (Unlimited)  |                      |                      |                                     |
| Clickshare ready                         | Yes   | Yes                  | Yes                  | Yes                                 |
| CABLING                                  |   |                      |                      |                                     |
| Power cabling                            | Internal or redundant: output DC via low voltage power cables of 10m, 20m, 50m, and 100m - Power Boards connected to the BCMC via Ethernet cables |                      |                      | Standard power cable                |
| Signal cabling connectivity              | Supporting 2 DVI inputs 1 Display Port (with 1 output for loop-through), 2 Ethernet Ports, 1 HDMI (with HDCP support), 1 USB 2.0 Port             |                      |                      |                                     |

( ) Available through firmware update Q4 2014