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Barco releases the 50" and 70" models of the new OV-D2 series! The next generation video wall displays excel by Sense⁶, a unique sensor technology that provides color and brightness stability over time and across the entire display.

Sales Release

Overview D2 series

General

OV-D2 sets a new standard in the video wall market. The fully ethernet enabled projection systems are based on the most recent DLP technology, employ intelligent lamps and sophisticated input electronics and imaging algorithms. On top of these upgrades is Sense⁶, a sensor-based control of color and brightness.

Currently the 50" and 70" rear access systems are released.

Technology upgrade

The OV-D2 series is upgraded with the latest state of the art components and algorithms. The product features amongst others:

- Brilliant color with extended color gamut
- Very high brightness and color uniformity
- New lamps with 120 W and 132 W rating with extended lifetimes of 10,000 hours and 6,000 hours, respectively
- A 100% sealed off optical engine with dedicated heat exchanger for the DMD, keeping dust 100% out of the optical path while cooling the DMD
- A revised moulded optical block with precise optical components
- Air bearing color wheel at 3x speed improving its lifetime to 50,000 hours
- Redundant input and outputs (2x DVI-D in, 2x DVI-D out)
- Multisync inputs with cropping, loop-through and scaler functionality

Sense⁶

Barco's Sense⁶ technology is an active, sensor-based, system that analyzes what the operator sees by continuously measuring brightness and color characteristics and adjusting the values. The technology results in equal brightness, color, contrast and midtones for all projection modules that compose the video wall and provide an image that is most convenient for the human eye.

Fully Ethernet enabled

Every projection module can be addressed, configured and controlled by a standard Web browser using its IP address. Whereas the web application addresses an individual projection module, the Barco Wall Control Manager software allows acting on the entire video wall. This software comes standard with every video wall for configuring, controlling and getting health status over Ethernet. The Barco Wall Control Manager also hosts part of the Sense⁶ software, comparing all projection modules at all times for brightness and color. Provided the video walls and the Barco Wall Control Manager Clients are in the same network, multiple video walls can be viewed from multiple clients.



Product configurations

Except for screen size, screen type (module or stitched or ZeroGap) the currently released products feature the same configuration options:

| Product | Description |
|-----------------|--|
| OV-508 | Projection module 50", XGA, rear access, screen module |
| OV-513 | Projection module 50"; SXGA, rear access, screen module |
| OV-515 | Projection module 50", SXGA+, rear access, screen module |
| OV-708 | Projection module 70", XGA, rear access, stitched screen |
| OV-713 | Projection module 70", SXGA, rear access, stitched screen |
| OV-715 | Projection module 70", SXGA+, rear access, stitched screen |
| Feature | Option |
| Screen | HVA (standard), HVM, HVX, |
| Support | 875mm, 1000mm, 1200mm, none |
| Connection kits | Linear, 3°, 5°, 8° |
| Lamps | 120W / 132W |

Please note:

For the 50" systems with 4:3 ratio, also a HVA ZeroGap screen is available.

Additional information

Like the OverView Control Manager OCM, the Barco Wall Control Manager BCM comes standard and for free with every video wall.

Sense⁶ and Scaling/Cropping are optional and both licensed per projection module.

For the current release, due to a licensing issue, Sense⁶ as well as scaling/cropping are not optional, but mandatory.

With TRANSFORM A display wall controller, it is exclusively with the XGA versions that two stacked projection modules can be run using only one channel of the output card (1X2-XGA).

The Multi Input Module can be used as an analog input. Thanks to the scaling/cropping/loop-through functionality of the next generation video wall displays, one single Multi Input Module can serve for a virtually unlimited number of projection modules to display one source on the entire video wall.

Literature and tools

Please have a look at the marketing collateral on the PartnerZone:

- Brochures
- Sense6 animations
- Customer presentation
- Short presentation for sales people

All this material should help you in understanding and selling the next generation video wall displays!



Article numbers and availability

The following table lists the article numbers for configuring a next generation video wall:

| Article number | Description | Comment |
|--------------------|-------------------------------|---|
| 50" Systems | | |
| R9842980 | OV-508 | Projection module 50", XGA |
| R9842981 | OV-515 | Projection module 50", SXGA+ |
| R9842982 | OV-513 | Projection module 50", SXGA |
| CGP-HVA-50 | OV D 50": HVA Screen | Option: HVA screen for 50", ordered per cube |
| CGP-HVM-50 | OV D 50": HVM Screen | Option: HVM screen for 50", ordered per cube |
| CGP-HVX-50 | OV D 50": HVX Screen | Option: HXM screen for 50", ordered per cube |
| CGP-SMLSCR-50 | OV D 50": HVA ZeroGap Screen | Option: Seamless screen for 50" 4:3 (XGA, SXGA+) only, ordered per cube |
| CGP-SUP0-5D2 | OV D2 50": Support min | Option: no support, feet only, lower screen edge at 455mm, ordered per column |
| CGP-SUP875-5D2 | OV D2 50": Support 875mm | Option: support 875mm, ordered per column |
| CGP-SUP1000-5D2 | OV D2 50": Support 1000mm | Option: support 1000mm, ordered per column |
| CGP-SUP1200-5D2 | OV D2 50": Support 1200mm | Option: support 1200mm, ordered per column |
| CGP-CUR0-5D2 | OV D2 50": Linear Setup | Option: linear setup, ordered per cube |
| CGP-CUR3-5D2 | OV D2 50": Curved Setup 3deg | Option: curved setup 3°, ordered per cube |
| CGP-CUR5-5D2 | OV D2 50": Curved Setup 5deg | Option: curved setup 5°, ordered per cube |
| CGP-CUR8-5D2 | OV D2 50": Curved setup 8deg | Option: curved setup 8°, ordered per cube |
| CGP-IU132-OVD2 | OV D2: Illumination Unit 132W | Option: Illumination unit 132W, ordered per cube |
| CGP-IU120-OVD2 | OV D2: Illumination Unit 120W | Option: Illumination unit 120W, ordered per cube |
| 70" Systems | | |
| R9842901 | OV-708 | Projection module 70", XGA |
| R9842903 | OV-715 | Projection module 70", SXGA+ |
| R9842902 | OV-713 | Projection module 70", SXGA |
| CGP-HVA-70 | OV D 70": HVA Screen | Option: HVA screen for 70", ordered per cube |
| CGP-HVM-70 | OV D 70": HVM Screen | Option: HVM screen for 70", ordered per cube |
| CGP-HVX-70 | OV D 70": HVX Screen | Option: HVX screen for 70", ordered per cube |
| CGP-SUP0-7D2 | OV D2 70": Support min | Option: no support, feet only, lower screen edge at 550mm, ordered per column |
| CGP-SUP875-7D2 | OV D2 70": Support 875mm | Option: support 875mm, ordered per column |



| Article number | Description | Comment |
|--------------------------------|------------------------------------|--|
| CGP-SUP1000-7D2 | OV D2 70": Support 1000mm | Option: support 1000mm, ordered per column |
| CGP-SUP1200-7D2 | OV D2 70": Support 1200mm | Option: support 1200mm, ordered per column |
| CGP-CUR0-7D2 | OV D2 70": Linear Setup | Option: linear setup, ordered per cube |
| CGP-CUR3-7D2 | OV D2 70": Curved Setup 3deg | Option: curved setup 3°, ordered per cube |
| CGP-CUR5-7D2 | OV D2 70": Curved Setup 5deg | Option: curved setup 5°, ordered per cube |
| CGP-CUR8-7D2 | OV D2 70": Curved Setup 8deg | Option: curved setup 8°, ordered per cube |
| CGP-IU132-OVD2 | OV D2: Illumination Unit 132W | Option: Illumination unit 132W, ordered per cube |
| CGP-IU120-OVD2 | OV D2: Illumination Unit 120W | Option: Illumination unit 120W, ordered per cube |
| Software | | |
| R9842796 | OV D2: SW Lic Sense6 | Brightness & Color Locking |
| R9842797 | OV D2: SW Lic Scaling | Scaling/Cropping/Loop-Through |
| Consumables | | |
| R9842807 | OV D2: Lamp module 120W/132W | Lamp module 120W/132W |
| R9842800 | OV: Filter pad | Filter pad |
| Recommended spare parts | | |
| R9842803 | OV D2: Projection Unit XGA | Projection unit XGA |
| R9842804 | OV D2: Projection Unit SXGA/SXGA+ | Projection unit SXGA/SXGA+ |
| R9842805 | OV D2: Illumination Unit 120W/132W | Illumination unit 120W/132W |
| R9842809 | OV D2: Spare Color Wheel | Spare part for all OV-D2 models |

After sync, the products are available in the BFO pricebook and in the BFO configurator. Production availability of the 50" and 70" products are set for August 31st, 2007. For earlier demand on these types, automatic SSRs will be issued when the BFO configurator is used. Do not issue 'typed in' SSRs for the product!

Please note:

With the 70" systems, for deliveries before November 2007, curved configurations as well as configurations with supports other than 1200mm will raise an SSR.

Prospect

Lamp leasing for the projection modules of the OV-D2 series is foreseen but not available yet. Upgrade kits from OverView P series and OverView D1 series to OV-D2 are on the roadmap. The 80" version (XGA, SXGA+) is foreseen in the BFO pricelist for quotation purposes by sales engineering and forecast purposes. Later models planned are the front access 70" model, a 100" and 120" rear access model (all XGA, SXGA+) as well as a high brightness version with 180W.



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