

DV-100

Image processor for V-series LED displays



- **High-end video processing for basic LED applications**
- **Supports 3G SDI, HDMI and DisplayPort**
- **Brightness, gamma and color temperature control**

High-end video processing

With the DV-100 LED Image Processor, Barco offers high-end video processing technology for basic LED applications. Specifically designed for the V-series LED displays, the processing unit is the exact same Athena™ scaler as in the high-class DX-100 and DX-700 processors. Even for less demanding markets, Barco is not compromising on video processing quality.

Extensive source compatibility and setup possibilities

Next to supporting standard inputs up to single-link HD-SDI, the V-series also support new standards like 3G SDI, HDMI and Display port. The DV-100 is managed and controlled by the dedicated V-series Toolset (VTS), a direct derivative of the high-class Director Toolset. The VTS comes with an intuitive interface for easy display management and offers advanced options such as brightness, gamma and color temperature control and display configuration. Communication between the DV-100 and VTS occurs via VVI (V-series Video Interface) routed over a standard CAT5 cable.

Product specifications

DV-100

Other

Depth	434 mm chassis only -470 mm including buttons and connectors (17.09 inch chassis only -18.51 inch including buttons and connectors)
Input power	100-240 VAC, 47-63 Hz, Auto select 2.0 A max
Environmental temperature	0-40 °C (32-104° F)
Environmental humidity	0-95% non-condensing
Height	88 mm (2 RU rackmount) (3.5 inch)
Width	432 mm -484 mm with chassis handles (17 inch -19.06 inch with chassis handles)
Warranty	1 year
Certifications	ETL, CE, FCC Class A, REACH, RohS, WEEE

Video inputs

Input 1: DVI-I	<ul style="list-style-type: none">▪ Digital formats; all single-link DVI digital formats up to 165 Mhz, per DVI 1.0 Specification and all dual-link DVI formats up to 300 Mhz; Max H Active: 4096 Max V Active: 3072▪ Analog formats: NTSC/PAL composite and Y/C video, SD YPbPr with bi-level sync, HD YPbPr with tri-level sync, RGBHV/RGBS/RGB computer video with bi-level sync▪ Analog sampling: sources with pixel rates up to 170 Mhz are sampled 1:1; sources with pixel rates above 170 Mhz are filtered and sampled at 170 Mhz, including but not limited to 1920x1200p, 2048x1080p▪ Active loop-through output of all input signals, including EDID▪ EDID version 1.3 compatible▪ HDCP NOT compatible
Input 2: HD-15 VGA	<ul style="list-style-type: none">▪ Format: NTSC/PAL composite and Y/C video SD YPbPr with bi-level sync HD YPbPr with tri-level sync per SMPTE 274, RGBHV/RGBS/RGB computer video with bi-level sync▪ Sampling: sources with pixel rates up to 170 Mhz are sampled 1:1; sources with pixel rates above 170 Mhz are filtered and sampled at 170 Mhz, including but not limited to: 1920x1200p, 2048x1080p▪ Active loop-through output of all input signals▪ EDID version 1.3 compatible
Input 3: HDMI (type A) (not available on ImagePRO-II Jr)	<ul style="list-style-type: none">▪ Formats: RGB and YCbCr; Resolutions up to 2048x1080p @ 60 Hz▪ EDID version 1.3 compatible▪ HDCP NOT compatible
Input 4: DisplayPort (not available on ImagePRO-II Jr)	<ul style="list-style-type: none">▪ Formats: resolutions up to 2560x1600@60Hz (30 bits) per DisplayPort 1.1a▪ HDCP NOT compatible
Input 5: SD/HD/3G SDI (BNC)	<ul style="list-style-type: none">▪ Formats: SD-SDI per SMPTE 259M-C (NTSC/PAL resolution); HD-SDI per SMPTE 292M, 296M; 3G-SDI per SMPTE 425▪ Re-clocked loop-through output

Video outputs

Output 1: HD-15 VGA	<ul style="list-style-type: none">▪ Fixed @ 1280x1024 @ 50, 59.94, 60▪ Preview monitor
Output 2: HDMI (Type A)	<ul style="list-style-type: none">▪ Fixed @ 1280x1024 @ 50, 59.94, 60▪ Preview monitor
Output 3: VVI (CAT5)	<ul style="list-style-type: none">▪ 2x Barco VVI V-series proprietary Video Interface to LED▪ Up to 1280x1024

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