

ImagePRO-II series

All-in-one video scaler, scan converter and switcher



ImagePRO-II is an advanced high performance all-in-one video scaler, scan converter, switcher and transcoder converting any input signal format to any output format. ImagePRO-II supports Universal Analog, DVI single and dual link, HDMI, DisplayPort and SD/HD/3G SDI signal formats. Loop-through outputs are provided for the Analog, DVI and SDI input and genlock signals. With features like HDCP and EDID management, USB back up and restore, multiple video effects and web page interface, ImagePRO-II is the most advanced and flexible signal processor in the industry.

Next generation Athena scaler

Incorporating the 5th generation of the Athena scaler - Barco's custom-designed image processing technology, ImagePRO-II supports higher resolutions, higher frame rates, higher quality de-interlacing with advanced Motion Adaptive processing, faster source acquisition, better color depth and native support for all the latest computer formats. As formats and interface requirements frequently change, the Athena scaler is built to be adaptable providing superior signal clarity, while maintaining a low processing latency of only one frame.

Simple setup and advanced control

Whether you are saving a setup for later, or need to copy a setup to multiple units, the incorporated **USB back up and restore** functionality makes configuration simple and efficient. ImagePRO-II is easily controlled via the **front panel, browser or a mobile device**. Featuring the fastest automatic source acquisition available, the ImagePRO-II excels in automatically acquiring and locking to any input signal. On the output side, ImagePRO-II can also automatically determine the format of the attached display optimizing its output resolution to match the display's resolution.

BARCO

Visibly yours

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Shock tested, roadie approved

As the ImagePRO-II is built for the live event industry it has been designed with the road in mind. With features like **field replaceable DVI connectors**, **1 RU form factor** and professional **Ethercon™ connector** ImagePRO-II supports the demanding environment of any live event.

Five models

ImagePRO-II is offered in five models: standard, dual output, audio, dual output and audio and Jr. The standard model offers all of the advanced features you need and expect to find in ImagePRO. In addition to the standard features, the dual output model can convert independently one input signal to two separate outputs at different resolutions. Furthermore, the dual model offers stereoscopic 3D conversion capability. The audio option allows for a wide range of dis-embedding and embedding options between the HDMI, DisplayPort and SDI signals and the Analog and Digital AES signals available on the DB-25 Audio board.

Available models

- R9004677: ImagePRO-II
- R9004683: ImagePRO-II with dual output
- R9004666: ImagePRO-II with audio
- R9004668: ImagePRO-II with dual output and audio
- R9004695: ImagePRO-II Jr

"Rental companies will benefit just as they have from the previous generation of Image Pros, but with much greater flexibility. Produced shows and one-offs gain rock solid performance in an easy to use package."

Jeff Gooch - Projection, Lights and Staging News

[Read more](#)

At InfoComm 2014, the **ImagePRO-II Jr** was awarded as '**Best video scaler**' by Commercial Integrator magazine.

Product specifications

ImagePRO-II series

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/RGsb 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 HDCP and EDID· EDID version 1.3 compatible HDCP version 1.4 compatible <p>Note: Dual Link resolutions not available on ImagePRO-II Jr</p>
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/RGsb 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 per HDMI 1.4 specification and 1,920 x 1,200p @ 60 Hz■ EDID version 1.3 compatible■ HDCP version 1.4 compatible■ Deep color (30/36 bits)
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 specification■ HDCP version 1.4 compatible
Input 5 & 6 (dual output option): SD/HD/3G SDI on 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 424■ Re-clocked loop-through output■ Dual link HDSDI per SMPTE 372 (dual output option)
Video outputs	
SD/HD/3G and BarcoLink SDI	<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 424■ Dual link HDSDI per SMPTE 372 (dual output option)
NTSC/PAL composite video	CVBS on BNC connector Note: dedicated composite output not available on ImagePRO-II Jr
DVI-D	<ul style="list-style-type: none">■ Formats all single-link DVI digital formats up to 165 Mhz, per DVI 1.0 specification■ All dual-link DVI formats up to 330 Mhz■ EDID version 1.3 compatible■ HDCP version 1.4 compatible
HD-15 VGA	<ul style="list-style-type: none">■ Formats: NTSC/PAL composite on green, NTSC/PAL Y/C video with bi-level sync on Y only, (Y: Green, C: Red); SD YPbPr with bi-level sync; HD YPbPr with tri-level sync per SMPTE 274; RGBHV/RGBS/RGsb computer video with bi-level sync■ EDID version 1.3 compatible
HDMI (type A) (not available on ImagePRO-II Jr)	<ul style="list-style-type: none">■ Formats: RGB and YCbCr at 4:4:4, YCbCr at 4:2:2, per HDMI 1.4 specification; Resolutions up to 2,048 x 1,080p @ 60Hz and 1,920 x 1,200 @ 60Hz■ EDID version 1.3 compatible■ HDCP version 1.4 compatible
Output 3: 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 version 1.4 compatible
Other	
Genlock	Analog Ref Input/Loop/Output on BNC connectors; Bi-level and Blackburst at SD and Tri-level at HD or locked to any input

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Remote Control	<ul style="list-style-type: none">■ USB 1.1■ Ethernet RJ-45, 10/100 Mbps Autosense■ Computer, tablet, smartphone, or external Encore or ScreenPRO-II Controller via Ethernet link.■ Control functions include: source input configuration, output format selection, test pattern selection, transition effect selection and control
Dimensions	<ul style="list-style-type: none">■ Height: 1.75 in (4.4 cm) - 1 RU Rackmount■ Width: 17 in (43.2 cm)- without chassis handles, 19.06 in (48.4cm) with chassis handles attached■ Depth: 17.09 in (43.4 cm) from front panel to rear panel, 18.51 in (47 cm) overall
Weight	15.75 lbs (7.144 kg)
Input power	Power 100-240 VAC, 47-63 Hz, auto-selecting 2.0A maximum
Environmental temperature	0-40° Celsius
Environmental humidity	0-95% noncondensing
Warranty	Full three-year parts and labor warranty.