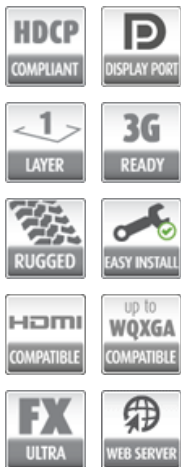# ImagePRO-II

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 rental and staging industry making it the best suitable solution for your live event.

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.

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 EtherconTM connector ImagePRO-II supports the demanding environment of any live event.

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Technical specifications

Video inputs	Input 1: DVI-I Connector
	• 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
	Input 2: HD-15 VGA Connector
	• 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, including HDCP and EDID • EDID version 1.3 compatible • HDCP version 1.4 compatible
	Input 3: HDMI (Type A) Connector
	• formats: RGB and YCbCr; Resolutions up to 2048x1080p @ 60 Hz • EDID version 1.3 compatible • HDCP version 1.4 compatible
	Input 4: DisplayPort Connector
	• formats: resolutions up to 2560x1600 @ 60Hz (30 bits) per DisplayPort 1.1a • HDCP version 1.4 compatible
	Input 5: SD/HD/3G SDI on BNC connector
	• 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	**Output1: SD/HD/3G SDI on BNC connector**
	• formats: SD-SDI per SMPTE 259M-C (NTSC/PAL resolution); HD-SDI per SMPTE 292M, 296M; 3G-SDI per SMPTE 425
	Output 2: NTSC/PAL composite video on BNC connector
	Output 3: DVI-D Connector
	• formats all single-link DVI digital formats up to 165 Mhz, per DVI 1.0 specification • all dual-link DVI formats up to 300 Mhz • EDID version 1.3 compatible • HDCP version 1.4 compatible
	Output 4: HD-15 VGA Connector
	• 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 bilevel sync • EDID version 1.3 compatible
	• 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
	Output 5: HDMI (Type A) Connector
	• formats: RGB and YCbCr at 4:4:4, YCbCr at 4:4:2, per HDMI 1.4 specification; Resolutions up to 2048x1080p @ 60Hz • EDID version 1.3 compatible • HDCP version 1.4 compatible
	Output 6: DisplayPort Connector
	• formats: resolutions up to 2560x1600 @ 60Hz (30 bits) per DisplayPort 1.1a • HDCP version 1.4 compatible
Genlock	Analog Ref Input/Loop/Output on BNC connectors; Bi-level and Blackburst at SD and Tri-level at HD
Remote Control	• 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
Physical	• 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) from front of Adjust knob to face of BNC connectors • Weight: 15.75 lb (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.

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Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.

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