ImagePRO-II series

All-in-one 4K video scaler, scan converter, and switcher





- **Converts any input signal format to any output format**
- **HDCP and EDID management**
- **USB back up and restore**
- **Field replaceable DVI connectors**

ImagePRO-II is an advanced high-performance all-in-one video scaler, scan converter, switcher, and transcoder converting most input signal formats to most output formats. ImagePRO-II supports Analog, dual link DVI, HDMI, DisplayPort and 3G SDI signal formats, including 4K@30p via dual link DVI and DisplayPort. Loop-through outputs are provided for the Analog, DVI and SDI input and gen-lock signals. With features like 4K scaling, HDCP and EDID management, USB back-up and restore, extremely low latency converting modes, still store capture/import/export, ImagePRO-II is the industry-leading 4K scaler, converter, and switcher.

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.

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

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

Inputs/outputs

- Dual-link DVI/HDCP I/O (supports 4K@30p)
- 3Gbit HDSDI I/O
- HDMI/HDCP I/O
- DisplayPort/HDCP I/O (supports 4K@30p)
- Universal analog I/O

- Loop-through on DVI, SDI & analog inputs

User interface

- ImagePRO-3G front panel control
- Web browser & tablet remote control
- Encore suite of controllers
- LED setup and configuration

Processing

- 12-bit processing
- Resolution up to WQXGA (2560x1600) and 4K@30p
- Frame rate up to 120 Hz for 1080p
- System configuration and restore via USB

PRODUCT SPECIFICATIONS	IMAGEPRO-II SERIES
Live effects canvas	N/A
Video inputs	5 fixed inputs (6 with dual output option) ■ 1x Dual Link DVI-I up to 4K@30p DVI ■ 1x HD-15 (VGA) ■ 1x HDMI 1.4 (165 MHz) Excl ImagePRO II Jr ■ 1x DisplayPort 1.1 Up to 4K@30p (300 MHz max) Excl ImagePRO II Jr ■ 1x 3G SDI (2x 3G SDI with dual output option)
Video outputs	6 fixed outputs (7 with dual output option) ■ 1x Composite NTSC/PAL via BNC ■ 1x Dual Link DVI-I Up to 4K@30p DVI ■ 1x HD-15 (VGA) ■ 1x HDMI 1.4 (165 MHz) Excl ImagePRO II Jr ■ 1x DisplayPort 1.1 Up to 4K@30p (300MHz max) Excl ImagePRO II Jr ■ 1x 3G SDI (2x 3G SDI with dual output option)
Genlock	Analog reference input/loop on BNC connectors; bi-level and blackburst at SD and tri-level at HD, or locked to any input signal. S3D Sync: input Din connector, output Din connector
Program output	One input source output across all connectors that support the selected output resolution. With dual output option, output connections can be selected to either follow the "A" scaler channel or the "B" scaler channel.
Scaled Aux outputs	N/A
Mixers	N/A
Still stores	3
Layer effects	N/A
Multiviewer	N/A
Expandability	Dual output card and Audio output card available.
HDCP	HDCP compliant
Control	front panel menu and buttons Ethernet RJ-45, 10/100 Mbps autosense computer, tablet, smartphone via web browser Control functions include: source input configuration, output format selection, test pattern selection, transition effect selection and control
Serviceability	Field replacable DVI connectors
Noise Level	31dBA Nominal / 42dBA max Fan speed is software managed based on operating temperature Reference ISO 7779
Dimensions	■ Height: 4.4 cm/ 1.75" 1RU ■ Width: 48.4 cm/19.06" ■ Depth: 47 cm/18.51"
Weight	7.144 kg / 15.75 lbs
Power	Input power: 100-240 VAC 50/60Hz 2a max
Environmental temperature	0-40° C (32-104 F)
Environmental humidity	0-95% non-condensing
Warranty	3 years parts and labor

Last updated: 29 Sep 2020

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