

# ImagePRO-3G

All-in-one signal processor



Thanks to Barco's high performance image processing technology, the ImagePRO-3G is a high-performance video scaler, scan converter, switcher and transcoder all rolled into one. ImagePRO is the ideal solution for converting RGB, HDTV, component, s-video, composite (NTSC, PAL and SECAM) and HD/SDI video into a user-selectable video format. The ImagePRO includes four video outputs and three universal inputs, as well as a dedicated genlock BNC connector.

Barco's ImagePRO-3G is end of life, [click here](#) to visit the ImagePRO-II web page.

The ImagePRO-3G won a Live Design Product of the Year Award in the 'Projection Products of the Year' category.

- Utilizes the Athena™ high performance image processing technology
- Three universal inputs accept RGBHV/RGBS/RGsB computer video, component video (SD or HDTV), s-video, or composite video with loop-through
- Four video outputs; (2) RGB or component video, (1) composite video, and (1) s-video
- User-defined aspect ratio conversion and adjustments
- Pan and zoom

- Freeze
- 10-bit processing
- Motion adaptive and field to frame de-interlacing modes
- 3:2 pulldown detection for NTSC and 2:2 film detection for PAL video sources
- Decodes NTSC, PAL, and SECAM
- Ethernet for real-time control
- Encodes NTSC and PAL
- Genlock, H/V lock and Vlock
- Executive mode: protects system configuration settings during use
- 64 independent memory presets
- Backed by a three-year warranty

## Product specifications

## IMAGEPRO-3G

### Other

Remote control	Ethernet connection (with TCP/IP) or RS-232 serial port for real-time control.
Physical	<ul style="list-style-type: none"><li>■ Height: 1.5"</li><li>■ Width: 17" (43.2 cm) or 19" (48.3 cm) with rackmount option Depth: 14"</li><li>■ Weight: 9lbs.</li><li>■ Shipping Weight: 13 lbs.</li></ul>
Input power	100-240 VAC, 47-63 Hz
Environmental	Temperature: 0-40 degrees C; Humidity: 0-95% noncondensing.
Warranty	All video products are designed and tested to the highest quality standards and are backed by a full three-year parts and labor warranty.

### Video inputs

Input resolution range	VGA (640x480), SVGA(800x600), XGA(1024x768), SXGA(1280x1204), UXGA(1600x1200), WUXGA (1920x1200), HDTV 480p, 720p, 1080p, 1080i, 875 RS-343, 525 RS-170
Standard resolution video input	NTSC, PAL or SECAM
Horizontal frequency	15 kHz to 120 kHz
Number of inputs	4
Universal inputs	<ul style="list-style-type: none"><li>■ (3) high bandwidth video channels support RGBHV/RGBS/RGB computer video, component video (SD or HDTV), S-video, or Composite video</li><li>■ Connectors: Input 2 on 15-pin HD connectors with buffered loop-through. Input 3 on five BNC connectors with buffered loopthrough</li><li>■ Input 1 on DVI-I connector supports both universal analog and DVI input with loop-through</li><li>■ (1) 3G/HD/SD SDI on a BNC connector.</li></ul>
Vertical frequency	25 Hz to 120 Hz
Input termination	75 Ohm
Input sync	Sync-on-Video, Separate C or H/V
External sync	(Genlock) Input: Blackburst, Computer H/V Sync or C-sync.
Connectors	BNC

### Video outputs

Connectors	<ul style="list-style-type: none"><li>■ RGB or component video (SD or HDTV) on HD-15</li><li>■ RGB or component video (SD or HDTV) or composite video on five BNC</li><li>■ Composite video on BNC</li><li>■ S-video on 4-pin mini-DIN connector</li><li>■ 3G/HD/SD SDI on a BNC connector</li><li>■ DVI output on DVI-D connector</li></ul>
Standard resolution video output	NTSC, PAL
High resolution output supported	VGA (640x480), SVGA(800x600), XGA(1024x768), SXGA(1280x1204), UXGA(1600x1200), WUXGA (1920x1200). For Plasma Displays 1280x768, 1365x768, 1365x1024. HDTV 480p, 720p, 1080p, 1080i. 875 RS-343, 525 RS-170. User definable video output formats supported.
Number of outputs	6
Sync	RGBHV, RGBS, RGB, TTL level, Polarity selectable, HDTV. Tri-level Sync supported. 75 ohm Output Impedance.

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