

Digital video scaler, scan converter, standards converter, switcher and transcoder



Technical Information

Video Input Inputs: 4 Universal Inputs:

(3) high bandwidth video channels support RGBHV/RGBS/RGSB computer video, component video (**SD or HDTV**), **S-video**, or **Composite video**

Connectors:

15-pin HD connectors with buffered loop-through.

5x BNC connectors with buffered loopthrough

DVI-I connector supports both universal analog and DVI input with loop-through

SDI/HDSDI input on a BNC connector.

Input Resolution Range:

VGA (640x480), SVGA(800x600), XGA(1024x768), SXGA(1280x1204), UXGA(1600x1200), 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

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 Output Outputs: 6

RGB or component video (SD or HDTV) on HD-15

RGB or component video (SD or HDTV) or composite video on five BNC

Composite video on BNC

S-video on 4-pin mini-DIN connector

SDI/HDSDI on BNC

DVI output on DVI-D connector

Product Information

Thanks to Barco's high performance image processing technology, the ImagePRO-HD 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 with loop-through.

- Utilizes Athena™, Folsom's new proprietary 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

Disclaimer: Changes in the data may have been made by the manufacturer without notice.

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Technical Information

Video Format Output

Standard resolution video output: NTSC, PAL

High resolution output supported:

VGA (640x480), SVGA(800x600), XGA(1024x768), SXGA(1280x1204), UXGA(1600x1200).

For Plasma Displays:

1280x768, 1365x768, 1365x1024. HDTV 480p, 720p, 1080p, 1080i. 875 RS-343, 525 RS-170.

User definable video output formats supported

Sync: RGBHV, RGBS, RGsB, TTL level, Polarity selectable,

HDTV. Tri-level Sync supported. 75 ohm Output Impedance.

Remote Control Ethernet connection (with TCP/IP) or RS-232 serial port for real-time control.

Physical

Height: 1.5" Width: 17"(43.2 cm) Depth: 14"

Weight: 9lbs.

Input Power 100-240 VAC, 47-63 Hz

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