MODEL VSC/890H
VIDEO SCAN CONVERTER, HALF-RACKMOUNT

FEATURES

- Provides for conversion between High Definition and Standard Definition video formats
- Advanced scaling algorithm, de-interlacing, and aspect ratio conversion for optimal video quality
- HD/SD-SDI/DVI/HDMI/VGA/Composite Analog Inputs and Outputs

The VSC/890H Video Scan Converter is a commercial/industrial unit that provides video format conversion. The VSC/890H accepts SMPTE, graphics, or analog composite video formats, at various resolutions and frame rates, and converts it to a format that is compatible with legacy and new system displays, recorders, and/or transmission equipment. Typical applications are converting the graphics output of an MPD to RS-170 for on-board recording or converting an RS-343 HUD output to XGA for display on a standard video display. The VSC/890R supports HD/SD-SDI (SMPTE), DVI/HDMI, VGA, and composite input and output formats.

High-quality motion adaptive de-interlacing and aspect ratio conversion, in combination with an advanced scaling algorithm, ensures near-optimum-quality video output. The scaling is implemented using multi-tap FIR filtering and advanced interpolation, both horizontally and vertically.

The VSC/890H is a half-rackmount chassis available in AC and DC power. All I/O connections are located on the rear panel of the unit. The unit is easily configured via the front panel and the serial or Ethernet ports. Rackmount adaptor kits are available to mounting for one or two units in a 1RU rack space.
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VIDEO INPUT/OUTPUT
Ports  Five
Format  Composite/HD-SDI/DVI/HDMI/VGA
Format  NTSC/PAL; RS-343; SMPTE-259/292;
        DVI-D/HDMI; VGA, RGsB
Connector  BNC/DVI

CONTROL/BIT
Ports  Two
Format  RS-232/TCP-IP
Protocol  Delta's 3-character mnemonics
Connector  DB-9/RJ-45

VIDEO SCALING
Algorithm  Multi-tap Scaling w/ H & V Interpolation
Format  Interlaced & Progressive
Resolutions  480i/576i/720p/1080i/
            1080p/640x480/800x600/1024x768/
            1280x1024
Frame Rate  29.97/25/30/50/59.94/60/75

ENVIRONMENTAL
Temp-Operating  -20°C to +60°C
Temp-Non-operational  -40°C to +85°C

POWER
Volts  120-240VAC, 50-60Hz
Watts  15W
Connector  EIA-320

SIZE / WEIGHT
Chassis  1.75" H x 5.4" W x 7.5" D / 3.0lbs.

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