About DVNR1000-HD

Digital Vison's DVNR1000-HD real time Image Processing Workstation allows you to tailor an HD system to meet your specific requirements. The packing density of the DVNR1000-HD enables up to three processing options in one single unit.

For optimum flexibility, the image processing options in the DVNR1000-HD range includes Grain & Noise Reducer, Advanced Scratch Concealer, Colour Corrector, Aspect Ratio Converter, Pan & Scan Processor, Advanced Aperture Corrector and Chroma Desaturizer. We supply the tools - you configure the tool box!

General Features

- Industry standard Image Processor
- High Packing Density
- 625/525 line operation
- Frame store synchroniser
- Field based 2-D Aperture Corrector
- Scene Change detector
- 3:2 pull-down detector
- Adjustable re-blanking
- Video Gain Control
- External 3/2 input
- Analogue monitor output
- Cross-Conversion between P and PsF formats
Technical Specifications
DVNR 1000-HD

Input Interfaces
Video
- Bit Serial Interface SMPTE292M
- RS232 up to 57 kbaud (DB25)
or RS422 up to 230 kbaud (DB9)
- 75 ohm terminated (BNC)
Control
- 3/2 phase
Genlock
- Bit Serial Interface SMPTE292M
- YCbCr for monitoring
- 75 ohm (BNC)
- for cascading units. Delay
- matched to video.

Output Interface
Digital Video
- Bit Serial Interface SMPTE292M
Analogue Video
- 3/2 phase
Control cascade

Video Input Formats

<table>
<thead>
<tr>
<th>System</th>
<th>SMPTE standard no.</th>
<th>Scanformat</th>
<th>Lines</th>
<th>Pixels</th>
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<td>Interface</td>
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<td>1920 (2200)</td>
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</table>

Input Processing
- No. of bits: 8 or 10
- Y Gain: 0 - 200%
- C Gain: 0 - 200%
- Test Signals: Colour bars, Ramp, Black

Output Processing
- No. of bits: 8 or 10
- Black clip: Off, On (level 64)
- White clip: Off, On (level 940)
- Chroma clip: Off, On (levels 64 & 960)
- Monochrome: Off, On
- Vertical re-blanking: 0-255 pixels (left/right symmetric)
- 0-1080 lines (upper/lower separately)

Mechanical
- Height: (12.2")
- Rack mount 7 RU – 310 mm
- Depth: (+ 1 RU – 44.5 mm (1.8") for air-flow)
- Width: 480 mm (18.9")
- Weight: 435 mm (17.1")
- 28 kg (61.7 lbs)
- Rear and bottom mounted fans.

Power
- Voltage: 90 – 260 VAC, 48 – 66 Hz
- Consumption: < 600 VA, typ 200 VA

Specifications, features, availability and prices are subject to changes due to the continuous development of our products.

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