

Multi-Image Display Processors



Overview

The HMV160 High-Definition Multi Viewer Display Processor is the specialized high end image processing equipment, which can simultaneously display multiple images on one single high resolution output display.

It is designed for the occasions which require the high quality multiple video screen displays. The HMV160 is an ideal and practical solution for the applications in command centre, video conference, multimedia and multi-function hall. The unit is built on structured giving the most flexibility to the configuration. One single frame can be equipped with varying size of multi-image system.

There are two types of chassis available, with different capacity to economically fit the user's different budget level.

--1RU chassis: supporting up to 16 inputs and 8 outputs

--3 RU chassis: supporting up to 64 inputs and 32 outputs

The HMV160 supports all formats of input content from analog composite video, SD-SDI, HD-SDI and even to 3Gb/s upon request, As the output format VGA, DVI and HDMI are supported.

Compared to the traditional upper computer controlled system, the HMV160 presents more flexibility in settings. The application of the embedded system enables a more user-friendly interface. As such the HMV160 is capable of grouping different scales of display systems to tailor the different needs of monitoring system. Besides, there is no restriction on the signal source grouping—any signal to any display at any position with any scale.

Ordering Information

HMV160.....HD Multiviewer

Descriptions

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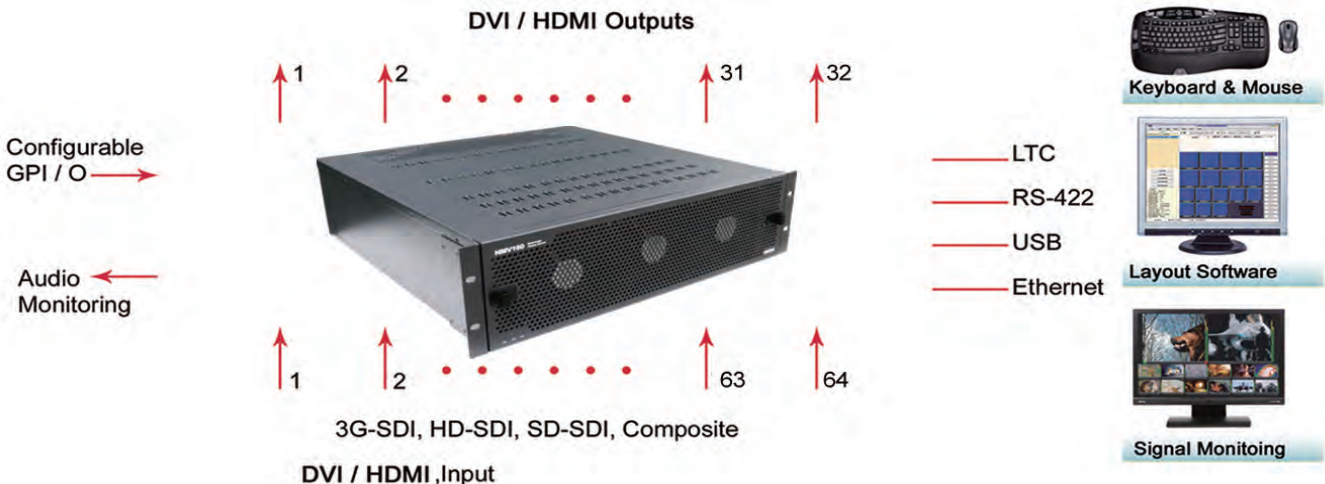
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Features

- ▶ HAny combination of auto sense HD-SDI/ SD-SDI /Composite
- ▶ Signal path based on operation system for 24/7 mission critical application
- ▶ Any signal to any display at any position with any scale
- ▶ The maximum resolution of output display at wuxga : 1920*1200
- ▶ 1080P50 output format for 50Hz input signal application
- ▶ Simple windows setup and control via mouse
- ▶ Analog audio input and the stereo audio monitoring of embedded audio and external audio
- ▶ Up to 8 audio meter display per window
- ▶ Multiple audio display windows for audio monitoring only
- ▶ 16:9/4:3 aspect, various marker
- ▶ Ethernet control
- ▶ Image files display
- ▶ Embedded TC code display
- ▶ Multiple analog clock and/or digital clock
- ▶ Clockwise timer and anticlockwise timer
- ▶ User-definable function of hardware and software
- ▶ Flexible time code setup and GPIO port with flexible configuration
- ▶ Video and audio alarming and flexible alarm setup
- ▶ Hot-swappable board modules
- ▶ Dual power supply for 1RU and 3RU frame
- ▶ The excellent cooling system effectively reducing the temperature of the frame

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Specifications : Specifications are subject to change without notice

Analog Composite Input

Standard: PAL,NTSC
 Impedance: 75Ω
 Return Loss: 35 dB to 5.75 MHz
 Connector: BNC

HD-SDI Digital Video Input

Standard: SDI1080i50, SDI1080i60, SDI1080sf24, SDI1080p24, SDI1080p25, SDI1080p30, SDI1080p50, SDI1080p60, SDI720p24, SDI720p25, SDI720p30, SDI720p50, SDI720p60, SDI1035i60
 Impedance: 75Ω
 Cable Length: 100 m (Belden 8281)
 Return Loss: > 15 dB (5 MHz to 750 MHz)
 > 10 dB (750 MHz to 1.5GHz)
 Connector: BNC

SD-SDI Digital Video Input

Standard: SDI525I, SDI625I
 Impedance: 75Ω
 Cable Length: 100 m (Belden 8281)
 Return Loss: > 15 dB to 270 MHz
 Connector: BNC

Analog Audio Input

Standard: 8-channel balanced stereo analog audio or 16-channel balanced monophonic analog audio
 Impedance: 20KΩ balanced, 10KΩ single ended,
 Peak Ballistic: Rise Time: 10 ms; Fall Time: -20dB/s
 VU Ballistic: 300ms
 Scales: 0 to -72dB
 Maximum Level: +24dBu
 Connector: DB26 (male)
 Frame Type: Redundant power supply
 Voltage: 100-240VAC
 Frequency: 50/60Hz
 Power: 480W Max
 Working temperature: 0-40 oC
 Dimension: 3RU frame (482 mm (W) × 468.5 mm (D) × 133 mm (H))

Ordering Information:

HMV160-I4A8G8: 4-Ch autosensing inputs on HD/SD/Composite (BNC); 8 Stereo audio inputs (DB26); 8 GPI/O (DB26).
 HMV160-I4AOG16T: 4-Ch autosensing inputs on HD/SD/Composite (BNC); 1 Stereo audio output (DB26); 16 GPI/O (DB26); 1 LTC input (DB26).

HMV160-I4O1E: 4-Ch autosensing inputs on HD/SD/Composite (BNC); 1-Ch DVI +1 Ch VGA output (DVI-I); 1-Ch 10M/100M autosensing Ethernet port.
 HMV160-I4O2E: 4-Ch autosensing inputs on HD/SD/Composite (BNC); 2-Ch HDMI outputs (HDMI); 1-Ch 10M/100M autosensing Ethernet port.