hai vision
network video

hai *1000*
Multi-Stream HD/SD H.264

Product Overview

hai*1000*

hai1060
6 slot chassis, up to 10 channels

hai1020
2 slot chassis, up to 2 channels

- **Multi-Stream – up to 10 channels**
- **Multi-Format – H.264 and MPEG-2**
- **Up to 10 Mbps MPEG-4 AVC**
- **High performance – lower than 120 ms latency**
- **Perfect audio/video synchronization**
- **Configurable I/O – digital or analog**
- **HD, SD, YPbPr, RGBHV/DVI, SDI, S-Video, Composite**
- **HDMI upscaled SD output available**
- **4 channel audio – digital or analog**
- **Interoperable with videoconferencing**
- **Extremely reliable – Telco grade HW and OS**
- **Manage through web, CLI, SNMP, or haiVIEW**

TRUE MPEG-4 AVC H.264

DIGIVISION

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hai*1000 HMF2* Codec Blade

Carrier Blade Format Shown – Configuration Below

	Encoder PIC (Personality Interface Card)	**Decoder PIC** (Personality Interface Card)
Standard Configuration	S-Video, Composite, YPbPr Component (SD), Quad Analog Audio	S-Video, Composite, YPbPr Component (SD), Quad Analog Audio **(shown)**
Optional	SDI, Composite, SDI Embedded AES Audio, Quad Analog Audio **(shown)**	SDI, Composite, SDI Embedded AES Audio, Quad Analog Audio
Optional		HDMI Upscaled to HD, Embedded Digital Audio, Quad Analog Audio

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PICs – Personality Interface Cards

SCI – Analog Input PIC **SCO – Analog Output PIC**	**S-Video, Composite, YPbPr Component (SD), Quad Analog Audio** •DB25 to Analog Video Input or Output Breakout Cable •DB25 to Analog Audio Input or Output Cable (RCA or Balanced XLR)	
SDI – Digital Input PIC **SDO – Digital Output PIC**	**SDI, Composite, SDI Embedded AES Digital Audio, Quad Analog Audio** •DB25 to Analog Audio Input or Output Cable (RCA or Balanced XLR)	
HDO – HDMI Output PIC	**HDMI SD Upscaled to 720p HD, Embedded Digital Audio, Quad Analog Audio** •DB25 to Analog Audio Input or Output Cable (RCA or Balanced XLR)	

hai*1060* HD 5x1 example

AV over IP

Encode / decode blades with SDI PICs

Encode only blades with SDI PIC

HOST Blade (incl. with base system)

1 audio video decoders for 1 SDI channel output

4 audio video encoders for 4 SDI sources Incl 4 audio sources

IP Network and RS232 control interface

hai*1000* System Features

- **Frame and blade design hai1060 – up to 10 channels**
- **hai1020 – single encode/decode**
- **INVITATION Videoconference Interop**
- **Latency less than 120 milliseconds**

- **Logical multicast / multiple unicast**
- **Telecom grade reliability**
- **Robust frame & blade design**
- **Web, CLI, and SNMP interfaces**
- **AMX and Crestron compatible**

hai*1000*

The hai1000 is:

- A true multi-stream codec – up to 10 channels per chassis
- A solid performer with telecom grade reliability
- Fast, and with the MAKO-HD, the fastest available today at 120 ms latency
- Accurate in the consistent delivery of synchronized audio and video
- Flexible, with input and output options to suit your needs
- Capable to serve hybrid environments with SD and HD video and data
- Easy to manage with the necessary controls for complex integration
- Compatible with both traditional conferencing and standard streaming appliances