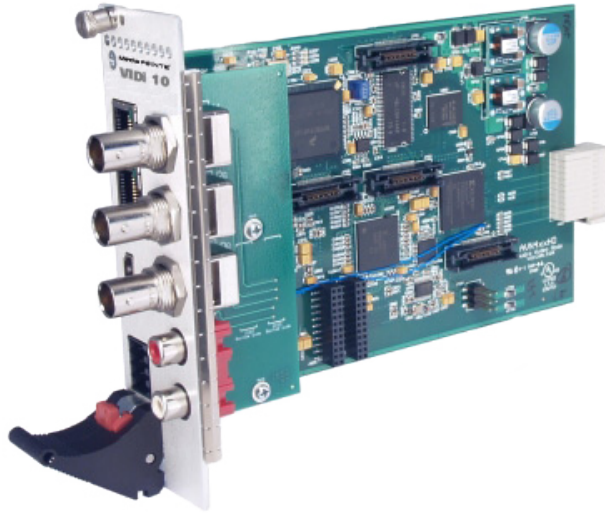# MediaPOINTE
VIDi 10

The VIDi10 encodes high definition video in an h.264 stream (MPEG-4 Part 10/AVC). It's used in a MediaPOINTE Chassis, a high density rack mount system. Plug a video source directly into the blade, plug into the network via the RJ-45 connection, and stream real-time high definition video over your LAN or WAN. The Chassis with VIDi10 blades is suitable for all applications requiring cost-effective, low bit rate, high definition video distribution over IP networks.

FEATURES
Superior Audio/Video Quality h.264 (MPEG-4 Part 10/AVC) hardware compression and MediaPOINTE's optimized transmission technology provides a high definition video full frame rate IP video stream. The stream can be viewed by an unlimited number of clients on a LAN or WAN provided that bandwidth is available. Image resolutions are configurable to 720p or 1080i at 50 or 60 frames per second or 1080p at 24 frames per second. The video bit rate can be configured from 4 to 18 Mbps. The audio compression is either AAC (128 to 512 kbps audio encoding) or MPEG-1 Layer 2 (64 to 384 kbps audio encoding) with up to 48 kHz sample rate.

VIDEO INPUTS
The VIDi10 includes three BNC connectors for component YPbPr or RGB, and one HDMI input for connecting video and audio source equipment.

AUDIO INPUTS
A terminal block connector provides audio inputs for Balanced and Unbalanced connections. This allows for easy onsite connections regardless of the cabling outputs of the audio source.

There are also two RCA audio connectors (L/R) which support only unbalanced connections, and the HDMI input carries audio as well. The VIDi10 features user control of audio parameters, including mute, pre-amp and volume. External Device Connections The VIDi10 includes a serial connection via an RJ-45 co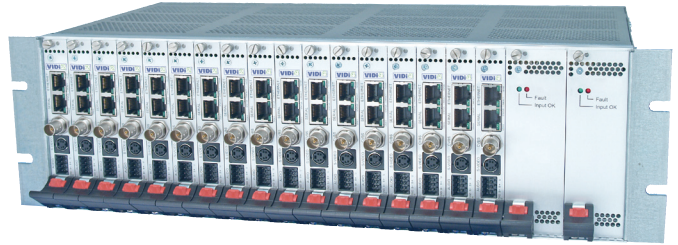nnector. This connector can be used as an RS-232 port (full-duplex, no hand shaking) or an RS-422 (full-duplex) port. These ports allow the VIDi10 to interface with external devices such as terminal emulation equipment.

Management & Configuration of the device is accomplished by any of three methods: Console menus, a Web interface, or the Control Protocol API. TCP/ IP, HTTP and other Internet-related protocols are supported.

Media POINTE

VIDi 2-slot & 17-slot Chassis

The 17-slot Chassis, pictured at right, with dual redundant power scheme, will hold up to eight VIDi10 high definition (HD) encoder blades or seventeen standard definition (SD) blades.

The 2-slot Chassis has a single power source and can hold one HD or two SD blades. Each Chassis will incorporate a growing family of modules to support transport, switching, transcoding and monitoring of IPTV.

INPUTS/OUTPUTS
•Component YPbPr or RGB
3 x BNC connectors RCA supported via adaptors
•HDMI digital input with HDCP
•Terminal block audio connector for Balanced and Un-Balanced Stereo
•RCA Stereo Audio
•RJ-45 Ethernet 10/100
•RJ-45 Serial RS-232C or RS-422

VIDEO ENCODING
•HD Video h.264 MPEG-4 AVC Compression
•High Profile at level 4 (HP@L4)
•5Mbps to 20Mbps
•SD Video h.264 MPEG-4 AVC Compression
•Main Profile at Level 3 (MP@L3)
•2Mbps to 20Mbps

VIDEO RESOLUTIONS
•1080p 24
•1080i 59.94/60
•1080i 50
•720p 59.94/60
•720p 50
•576i 50
•480i 59.94

AUDIO ENCODING
•MPEG-1 Layer II stereo
•128kbps to 384kbps
•MPEG-2 AAC stereo
•128kbps to 384kbps

DIMENSIONS
•(W x D x H)
40 x 131 x 175
(1.6" x 5.2" x 6.9")

WEIGHT
•225g (approximate)

POWER INPUT
•4.25 Watts
•2-Slot Chassis 100-240VAC 50/60Hz Adapter
•17-slot Chassis 100-240VAC 50/60Hz

ENVIRONMENTAL
•Operating Temperature -10ºC to 50ºC (14ºF to 122ºF)

COMPLIANCE
•CE, UL Listed I.T.E. E257717
•EMC: EN55022 Class B (MPP200) Class A (MPP1700)
•Safety: EN60950, IEC60950

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Video Sources

VIDi 4d

2-slot Chassis

Network

VIDi 10

Display