MediaPOINTE’s VIDi4 h.264 (AVC, MPEG-4 part 10) encoder blade is used in the VIDi chassis a high density rack mount system for video over IP transport. Plug a video source directly into the blade, plug into the network via the RJ-45 connection, and stream real-time DVD quality video over your LAN or WAN. The VIDi4 system is suitable for all applications requiring cost-effective low bit rate video distribution over IP networks. There are two VIDi chassis. The 17-slot has the option of dual redundant power supplies and holds up to 17 blades, while the 2-slot chassis has a single power source and can hold 2 blades.

The VIDi4 has a unique embedded platform that enables consistent full-motion video preserved from: delay, jitter, packet losses, and packet out-of-order instabilities. This technology is unrivaled for cost-to-performance value.

Features
- **Superior Audio/Video Quality.** h.264 (MPEG-4 Part 10/AVC) hardware compression and MediaPOINTE’s optimized transmission technology provides a video image at full frame rates and D1 resolution. The video stream can be viewed by an unlimited number of clients on a LAN or WAN with 25fps PAL or 30fps NTSC assured, provided that bandwidth is available. Image resolutions are configurable from D1 (720x480 NTSC, 720x576 PAL) down to 160x120. The video bit rate can be configured from 100 kbps to 4 Mbps. The audio compression is either AAC or MPEG-1 Layer 2 audio encoding at 8 to 384 kbps with up to 48 KHz sample rate.

- **Video Inputs.** The VIDi4 includes one BNC composite input, and one S-Video input for connecting video 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. The VIDi4 features user control of audio parameters, including mute, pre-amp and volume.

- **External Device Connections.** The VIDi4 includes a serial connection via an RJ-45 or an RJ-11 connector. 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 VIDi4 to interface with a variety of external devices, such as Pan/Tilt/Zoom (PTZ) devices.

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

The VIDi 17-slot chassis from MediaPOINTE is a high density rack mountable blade system. It is designed for “edge redistribution” and “edge content acquisition” applications where its value is unmatched. The platform pictured is comprised of a VIDi 17-slot 3RU chassis, 17 VIDi series encoder blades and two power supply modules. Modular features include hot swap ability and a dual redundant power scheme. The VIDi 17-slot chassis will incorporate a growing family of modules to support transport, switching, transcoding and monitoring of AV-over-IP.
Specifications Summary:

Input/Output:
- **Audio** connector provides input for right/left, balanced and unbalanced audio
- **S-Video** connector provides input for a Y/C video cable
- **CVBS** connector provides input for composite video sources
- **RCA** type composite connections via adapter
- **Serial Connector** for RJ-45 connector which allows RS-232 (full-duplex, no handshaking) and RS-422 (full duplex) communication

LED Status Indications:
- **10/100 LED** indicates the speed of the connection
- **Link/Act LED** indicates the status of the Ethernet link
- **Status LED** indicates proper installation, power, and operation
- **Video LED** indicates the state of the video input signal when a valid video source is detected and blinks at a speed relative to the encoded bit rate when the unit is properly encoding video

Regulatory Approvals:
- VIDi 2-slot: FCC Part 15 Class B, UL Listed I.T.E. E257717, CE

Includes:
- One VIDi4 blade
- Limited 12-month product warranty

Optional:
- One RCA-to-BNC adapter, female-to-male
- One Wiedenmuler terminal block connector for audio connections

Dimensions:
W- .78 in. (20mm), H- 5.11 in. (130mm), D- 6.85 in. (174mm)

**AV-over-IP distribution for any environment:**
- Corporate, Institutional & Multi Dwelling Units (MDU’s)
- PEG and regional channel insertion
- Digital Signage- live content
- Hospitals / Clinics / Telemedicine
- Hotel / Resort / Cruise Hospitality
- Mobile Field Video Communications- Military / Disaster Relief
- Online Training- Corporate / Military / Industrial
- Government / Inter-Agency Communications
- Education- Online Seminars, Distance Learning
- Finance / Brokerage Television
- Legal / Legislative Communications- Remote Arraignment
- Manufacturing / Process Monitoring
- Security / Surveillance / Public Safety

The MediaPOINTE VIDi products include the VIDi4 h.264 encoder blade, the VIDi2 MPEG-2 encoder blade, the 2-slot chassis, the 17-slot chassis, and the power supply.