AVN200 IPTV MPEG-2 encoder

Visionary Solutions' AVN200 IPTV MPEG-2 over IP stand alone **encoder** streams real time DVD quality video over LAN or WAN infrastructures. Plug a video source directly into the unit, plug into the network via the RJ-45 connection, and stream real-time DVD quality video over your LAN or WAN. The AVN200 is suitable for applications requiring cost effective, high bit rate video distribution over IP networks. It streams video at 30 fps (frames per second) with full screen resolution of 720h x 480v or with selectable reduced resolutions to conserve bandwidth. Use any standards compliant method to decode and view the AVN200 encoded IP network video stream, such as a PC with PackeTV™ software or a TV monitor with an IP Set Top Box.

The AVN200 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.** MPEG-2 hardware compression and Visionary Solutions' 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 frame rates of 25 PAL or 30 NTSC frames per second assured, provided that bandwidth is available. Available image resolutions are: 720x480, 480x480, 352x480, and 352x240 NTSC; and 720x576, 480x576, 352x576, and 352x288 PAL. The video bit rate can be configured from 1.5 Mbit/s to 7.5 Mbit/s. The audio compression is MPEG-1 Layer 2 audio encoding at either 256 or 384 kbps with a 48 KHz sample rate.

- **Video Inputs.** The AVN200 includes one BNC composite input, and one S-Video input for connecting video source equipment.

- **Audio Input.** The AVN200 features an 1/8" stereo audio connector.

- **External Device Connections.** The AVN200 includes an RS-232 serial connector (full duplex) as well as two I/O connections. I/0 1 is a 2 alarm in, one alarm out connection. I/0 2 is an RS-422 (full duplex) connection allowing the AVN200 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 four methods, **PackeTV™ Manager**, console menus, a Web interface, or the AVN Control Protocol API. TCP/IP, HTTP, and other Internet-related protocols are supported.

- **PackeTV™ Manager** (three (3) licenses included). PackeTV™ Manager software works in conjunction with the AVN200, enabling live viewing, recording, and extensive AVN200 control and configuration. With username and password control, administrators can select and lock an AVN200's properties for added security.

- **PackeTV™ Configuration Utility** (included) enables quick and efficient setup and mass reconfiguration of key settings including bit rate, video resolution and multicast destination IP addresses.

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Specifications Summary:

Input/Output:

- **Audio** 1/8" stereo connector provides input for line level 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 adaptor
- **Serial Connector** (DB9) provides RS-232 (full duplex) communication
- **I/0 1** provides two alarms in, one alarm out
- **I/0 2** provides RS-422 (full duplex) communication

LED Status Indications:

- **10/100** LED indicates the speed of the connection
- **Link/Rx** LED indicates the status of the Ethernet link

Regulatory Approvals:

- FCC Part 15 Class B, UL Listed I.T.E. E257717, CE

Power:

- External power supply +3.3V DC, 2A (power brick)
- 2.1 mm power jack

Includes:

- One AVN200

- Limited 12-month product warranty
- One AC power supply adapter
- One Audio cable (1/8 in. to 2 x RCA), male-to-male, 6 feet
- One Video cable (RCA to RCA), male-to-male, 6 feet
- One RCA-to-BNC adapter, female-to-male
- One S-video cable, male-to-male, 6 feet
- One CAT 5 Ethernet cable, blue molded, 6 feet
- One Null Modem cable, 6 feet
- One Ethernet Crossover cable, red molded, 3 feet
- Two Phoenix connectors
- Three (3) PackeTV™ software licenses
- PackeTV™ software and product documentation CD available upon request or download from www.vsicam.com

Optional:

- NCC200 network communications controller (IP based CCTV code distributor)
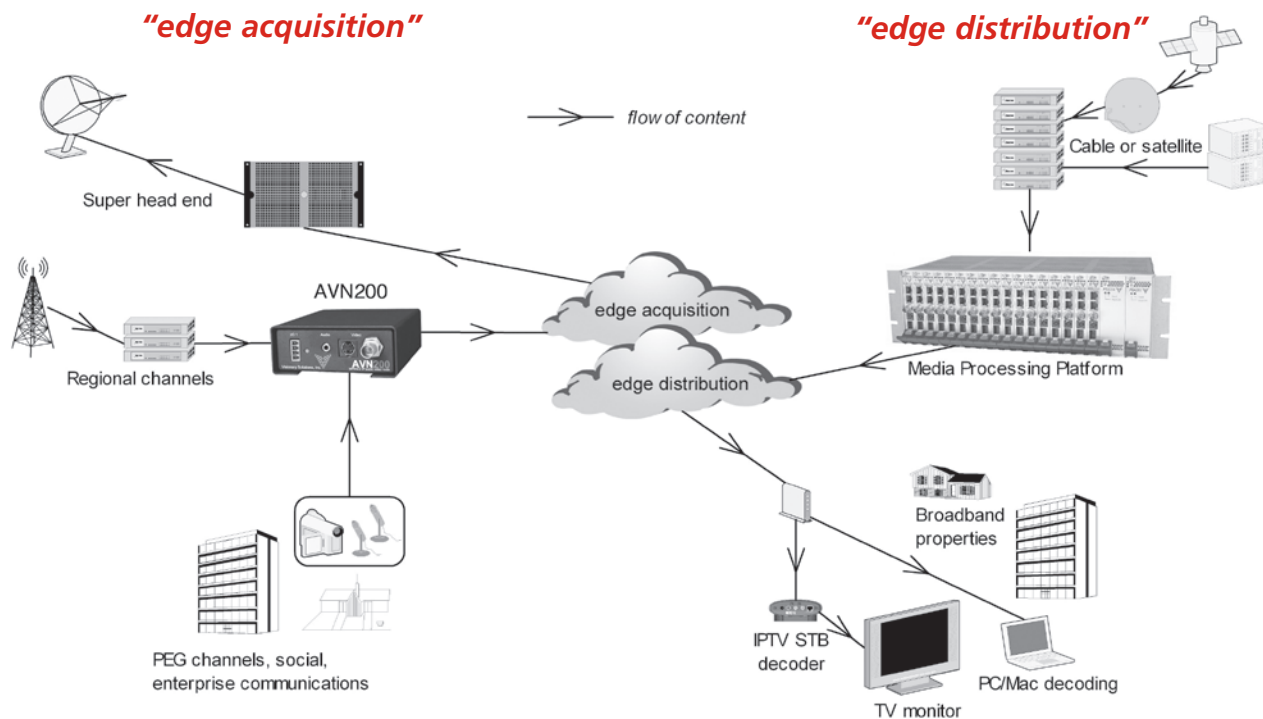- Extended Product Warranty

Dimensions:

Length:	4.80"	(12.1 cm)
Width:	3.90"	(9.6 cm)
Height:	1.80"	(4.5 cm)
Weight:	0.75 lbs.	(0.34 kg)

IPTV 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

"edge acquisition"   *"edge distribution"*

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The Cost-Performance Leader in Professional IPTV

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