



## FEATURES

- 10 / 100 Mbps Ethernet connectivity
- TCP / IP, UDP / IP (Unicast and Multicast), ICMP, SMB, DHCP, ARP, and telnet protocols
- MPEG-4 baseline
- G.711 speech
- OS independent remote control
- APEX compatible
- Web browser (Mozilla Firefox 1.5+; Microsoft Internet Explorer 7) supported
- NNAT compatible
- User level access control

## OVERVIEW

The M4VAN was designed with state of the art technology for video encoding and decoding. Using independent chip sets , the M4VAN uses DSP technology for both encoding and decoding with a co-processor for data flow and user control. While reducing cost, power consumption and heat, this platform allows for the development of future products with the capability of H.264 and resolution up to 1080p.

The M4VAN receives SD NTSC video and line-level audio and encodes the data using MPEG-4 and G.711 respectively. The M4VAN then packetizes this data into UDP/IP (Unicast or Multicast) packets and transmits this packet across an Ethernet network.

The M4VAN can be remotely operated via Apex, a web browser, telnet, or user created software. Logins are in the form of three different user levels: admin which allows changes to any setting; reader which allows only reading settings; and user which level is either admin or reader, depending on the user selection.

## SPECIFICATIONS

### DATA INPUT / OUTPUT

- Composite video - 75Ω BNC connector
- 1/8" audio jack - line level

### ENCODING

- MPEG 4 baseline
- G.711 speech

### ETHERNET

- 10/100 Mbps Ethernet connectivity
- Protocols supported
  - ◊ TCP/IP
  - ◊ UDP/IP Unicast, Multicast, and Broadcast
  - ◊ SMB
  - ◊ ICMP
  - ◊ DHCP
  - ◊ Telnet
  - ◊ ARP
- Operating system independent remote control interfaces
- APEX compatible

- Web browser supported
  - ◊ Mozilla Firefox (1.5+)
  - ◊ Microsoft Internet Explorer (7)
- Telnet (Unix/Linux telnet and Microsoft telnet supported)
- NNAT compatible
- User level access control

### POWER

- 2.5 mm circular jack
- Supply voltage (+10 VDC to +30 VDC)

### MECHANICAL

- 6.5" L x 8.8" W x 1.5" H
- Approximately 2.0 lbs

### ENVIRONMENT

- Operating temperature: 0° C to +55° C
- Storage temperature: -40° C to +70° C
- Relative humidity: up to 95% non-condensing

### SECURITY

- User level password