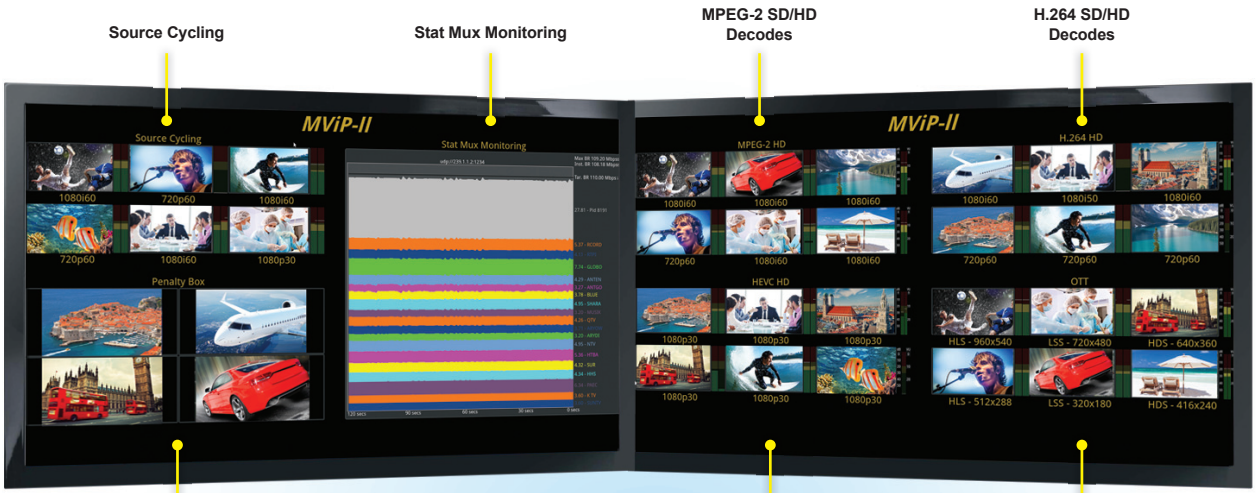
MViP-II

IP Based Multi-Image Display & Monitoring Solution

MViP-II improves on the fi rst generation MVIP by offering all of the same features plus fault based recording. MViP-II also offers more simultaneous decodes with up to 64 MPEG-2/H.264 SD or 32 MPEG-2 / H.264 HD or 16 HEVC HD or 32HEVC SD. The MViP-II can be used to monitor both "main screen" encodes as well as "over the top" streams including: HLS, LSS, HDS and MPEG-DASH on top of standard MPEG-2 transport streams.



IP Distribution

Web Based Streaming

Mobile Streaming

MViP-II has been developed to be used as a tool for digital headends, IPTV networks, and sites using IP for distribution with a requirement to monitor and display audio and video along with fault information and transport details on a simple to configure system.

MViP-II supports all major video compression standards including HEVC and therefore can be used in almost any application where video and audio are being transported over IP. MViP-II is SNMP enabled which allows VistaLINK to configure and store all monitoring values and alarms.

Integration of MViP-II and VistaLINK allows Source Cycling, Penalty box, fault logging and reporting under a single management system with the ability to have multiple MViP-II units or Evertz monitoring product s as a monitoring resource poll.

The Complete Solution Provider

MViP-II

IP Based Multi-Image Display & Monitoring Solution

Features & Benefits

- Supports all major transport: UDP, RTP, HLS, LSS, HDS, MPEG-DASH, MMSH, MMST, RTMP
- Supports video compression formats: MPEG-2, H.264/AVC, HEVC
- Supports audio compression formats: MPEG-1, MPEG-2, AC-3, AAC, Dolby E
- Up to 8 audio program decode Stereo or Dolby 5.1
- Dual output resolution up to 1920x1200
- Audio monitoring output
- Decoded video can be displayed multiple sizes up to full screen on the multiveiwer outputs
- Decoded and display up to 9 different DVB subtitle or caption per program.
- Simple and easy to use on screen user interface
- Stream capture based on fault
- Remote access using VNC software to MViP-II

Advance Monitoring:

- Video Monitoring: Black, Freeze, Macroblock detection
- Audio Monitoring: Low, High, Loudness monitoring
- Close captioning, DVB/teletext subtitling and XDS metadata decode and monitor
- MPTS/SPTS bandwidth information display
- SCTE-35 status monitoring
- TR101290 monitoring via 7880TSM-IP or 3480TSM-IP

Hardware:

- 2RU chassis
- Redundant power supply
- 2 xGigE ports (option to add 4 additional ports)
- Build on Linux OS platform

Additional Input Format:

- RF via 7780DM-LB+IP series
- ASI via 7880IP-ASI-IP and 3080ASI-IPGE series.
- Set-top-box via 160RM

Specifications

Physical Interface

IP Inputs: 1Gbs RJ45 Ethernet connector x 4 (Management & Data)

Additional Input Format:

- RF via 7780DM-LB+IP series. (optional)
- ASI via 7880IP-ASI-IP and 3080ASI-IPGE series. (optional)
- Set-top-box via 160RM(optional)

USB Ports: USB 2.0 x 2 (Keyboard/Mouse & upgrades)
Outputs: DVI-D x 2
Resolution: XGA up to WUXGA (1920X1200) landscape or portrait
Audio Outputs: 3.5MM audio jack

Transport Protocols:

- MPEG transport stream MPTS or SPTS over UDP Multicast or Unicast
- MPEG transport stream MPTS or SPTS over RTP/UDP Multicast or Unicast
- TS over TCP
- RTMP (Flash streaming)
- HTTP (web based streaming)
- MMSH (Windows Media HTTP)
- MMST (Windows Media TCP/IP)
- VNC (remote desktop)
- HLS (Apple HTTP live Streaming)
- LSS (Microsoft Live Smooth Streaming)
- HDS (Adobe Live Streaming)

Multi-Cast Protocols:

- IGMP v2
- IGMP v3 with SSM

Video Decode Formats:

- MPEG-2 SD (MP@ML)
- MPEG-2 HD (MP@HL)
- MPEG-4 Part 2
- H.264/MPEG-4 AVC SD (MP@L3)
- H.264/MPEG-4 AVC HD (MP@L4)
- H,264/MPEG-4 AVC HD (High 4:2:2@L4.1)
- VC-1 (SMPTE ST 412)

Performance: Simultaneous decoding of 64 MPEG2/H.264 SD streams or 32 MPEG2 HD /H.264 HD or 16 HEVC HD or 32 HEVC SD (**Decoding performance is based on stream bit rate)

Audio Decode Formats:

- MPEG-1 L2 Audio
- AC3 Audio
- E-AC3 Audio
- AAC Audio
- Dolby E® Audio monitoring

Transport Stream Analysis:

- 7880TSM-IP (optional)
- 3480TSM-IP (optional)

Physical

Dimension: 27.56"D x17.72"W x 3.43"H
Rack Units: 2RU
Cooling: Front to back air flow

Electrical

Power Supply: 2 x 770 Watts
Voltage: 110/240V switching power supply
EMI/RFI: Complies with FCC Part 15, Class A. EU EMC Directive

Ordering Information

MViP-II	MViP-II is an IP based multi-image display & monitoring solution. Decode monitor 64 SD MPEG-2 /H.264 or 32 HD MPEG2 / H.264 HD or 16 HEVC HD or 32 HEVC SD, 2 DVI/HDMI outputs, 4 GigE ports redundant hot swappable power supplies. 2RU rack mounts chassis.

Ordering Options:

+REC	Stream capture based on fault
+ENC	H.264 Encoded output and HLS streaming (mirror copy of DVI outputs)
+CCA	Allows up to 10 Source cycling per input/ Decoder