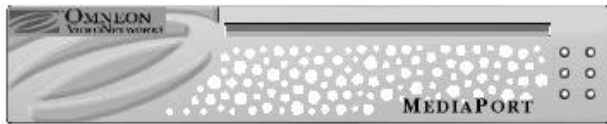


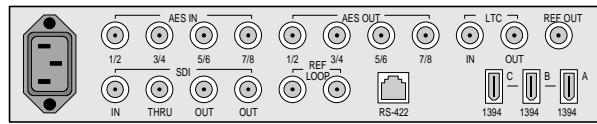
## OMNEON MIP 1002 MEDIAPORT FOR SDI/SDTI

A MEDIAPORT is an interface adapter that provides format conversion between the various supported formats and the Omneon Media Server System. A high-speed serial I/O bus provides the physical and logical connection between the MEDIAPORT and the MEDIASERVER. Each MEDIAPORT provides the ability for a single channel to be recorded to, or played back from the network. The following lists models of MEDIAPORTS in a variety of format configurations, ranging from SDTI transfer to full record/play of uncompressed ITU-R 601 I/O:

- MIP 1001a DV/MPEG MEDIAPORT
- MIP 1002 SDI/SDTI MEDIAPORT
- MIP 1003a DV/MPEG *Plus* MEDIAPORT
- MIP 1005 DVB/ASI MEDIAPORT
- MIP 1010a DV/MPEG *IMX* MEDIAPORT



MIP 1002 - Front Panel View



MIP 1002 - Rear Panel View

### MIP 1002 Description and Specifications

Parameter	Specification	Detail
Video I/O	ITU-R BT.601	75 Ohm BNC (SDI Input, Loop, 2 x SDI Output)
Compression/Decompression	Uncompressed ITU-R BT.601 10-bit video	
SDTI	DVCPRO DVCPRO 50 HDCAM?	1x (525/625), 4x record only (525 only), no embedding 1x (525/625), no embedding Embedding and de-embedding
Audio	AES/EBU, 24-bit input/output 32/44.1/48 KHz input 48 KHz output	8 channels (4 AES pairs or embedded/de-embedded per SMPTE 272M AC), 75 Ohm BNC connector
Control	RS-422 Serial Control	VDCP and BVW Protocol RJ-45 connector, RJ-45 to DB9 adapter
Lines Recorded (601 mode)	525 625	Lines 11-262 and 274-525 (504 lines per frame) Lines 7-310 and 320-623 (604 lines per frame) Note: Separate VBI is not supported.
Timecode	LTC  VITC	SDI – 75 Ohm BNC Connector HDCAM – per SMPTE RP188 SDI – carried within video HDCAM – per SMPTE RP188
High-speed serial I/O	IEEE 1394	3 x 400 Mbps 6-wire copper connectors Isochronous streaming, asynchronous read/write
Reference	Reference Video	Derived from MEDIASERVER or REF LOOP connectors.

## MIP 1002 Description and Specifications (continued)

Parameter	Specification	Detail
Environmental	Operating Temperature Humidity	+10C to +35C 10% to 80% non-condensing
Safety	UL/CUL	CAN/CSA C22.2 No. 950-95/UL1950, Third Edition.
CE	Low Voltage Directive (73/23/EEC) including amendments	EN60950: 1992, A1+A2+A3+A4 Safety of Information Technology Equipment
EMC	FCC Part 15, ICES-003 ICES-003 Directive of Electromagnetic Compatibility  EN55022: 1998 EN55024: 1998  CISPR 22	Class A for Digital Equipment, USA Class A for Digital Equipment, Canada (89/336/EEC) including amendments  Emissions from Information Technology Equipment Immunity for Information Technology Equipment Class A
MEDIAPORT Dimensions	W: 22.2 cm (8.75 inches) H: 4.4 cm (1.75 inches) D: 54.6 cm (21.5 inches) 55.4 cm (21.81 inches) 56.5 cm (22.25 inches)	Chassis only  Chassis front to chassis rear Chassis front to rear of BNC connectors Front of bezel to rear of BNC connectors Front bezel extends forward [Max. 1.1 cm (0.4375 inches)] from chassis front edge and rack ear plane.
Weight	2.7 kg. (6.0 lbs)	
Power	100-240 V, 50-60 Hz, .5 Amp	Universal Power Supply

Note the following points regarding the MIP 1002:

- All 10 bits are recorded, providing the ability to record/playback any ITU-R 601 270 Mbps compliant video stream.
- The MIP 1002 can record/playback any raw SDI/SDTI stream containing data.
- Precompressed data is extracted from the SDTI stream and stored as a precompressed file.
- The MIP 1002 can transmit and receive SDTI streams containing pre-compressed DV, HD and other formats, embedding and de-embedding the pre-compressed streams.
- 1RU tray (model **MRT 2001**) houses one or two MEDIAPORTS.
- The **REF OUT** BNC connector provides a composite output (monitor quality).
- The following additional features and functions are included:
  - E-E mode during encode — A/V input is routed to the output for input monitoring.
  - Source switching — the output A/V stream can be switched from the input source to the decoder source.
  - Support for pre-compressed audio, with the ability to record and playout AC-3 and Dolby™ E audio pairs.