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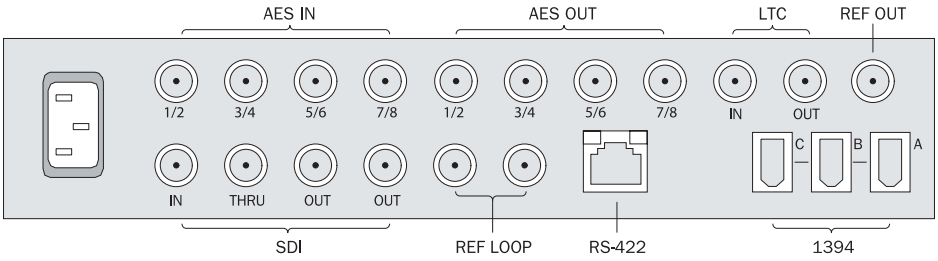
MediaPort 1002 SDI/SDTI



MediaPort 1002 - Rear Panel View

The 1002 SDI/SDTI MediaPort is an interface adapter for video, audio, timecode and control. Video I/O format is selectable between ITU-601 (uncompressed component digital video), SMPTE 305 (SDTI, Serial Data Transport Interface) and SDTI-CP (content packet). Audio I/O is provided through an AES/EBU interface and supports four stereo pairs, or audio can be embedded and de-embedded in the SDI stream. The 1002 also supports pre-compressed audio, with the ability to record and playout AC-3 and Dolby™ E.

MediaPort 1002 Specifications

Parameter	Specification	Detail
Video I/O	ITU-R BT.601	75 Ohm BNC (SDI Input, Loop, 2 x SDI Output)
SDTI	DVCPRO DVCPRO 50 HDCAM® Content Package100 Mbps	1x (525/625), 4x record only (525 only), no embedding 1x (525/625), no embedding Embedding and de-embedding IMX at 50 Mbps (only) over SDTI-CP
Audio	AES/EBU, 24-bit input/output 32/44.1/48 KHz input 48 KHz output Pre-Compressed Audio	8 channels (4 AES pairs), or Embedded/De-embedded per SMPTE 272M AC 75 Ohm BNC connector AC-3 and Dolby E
Control	RS-422 Serial Control	VDCP and BVW Protocol RJ-45 connector, RJ-45 to DB9 adapter
VBI Recording (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	75 Ohm BNC Connector SDI – carried within video
Reference	Reference Video	Derived from MediaServer or REF LOOP connectors
Environmental	Operation Temperature Humidity	+10C to +35C. 10% to 80% non-condensing
Safety	UL/GUL Low Voltage Directive (73/23/EEC) including amendments	CAN/CSA C22.2 No. 950-95/UL1950, Third Edition EN60950: 1992, A1+A2+A3+A4 Safety of Information Technology Equipment
EMC	FCC Part 15, ICES-003 ICES-003 Directive of Electromagnetic Compatibility (89/336/EEC) including amendments CISPR 22	Class A for Digital Equipment, USA Class A for Digital Equipment, Canada EN55022:1998, EN55024:1998 Emissions from Information Technology Equipment Immunity for Information Technology Equipment Class A
Dimensions	W: 22.2 cm (8.75 in) H: 4.4cm (1.75 in) D: 54.6 cm (21.5) 55.4 cm (21.83 in) 56.5 cm (22.25 in)	Chassis only 1 RU 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, 50-60Hz,.5 Amp	Universal Power Supply

Included Accessories

Qty	Description	Note
1	Power Cord	1.83 Meters (6 ft.)
1	Cable IEEE 1394	IEEE 1394a Male to IEEE 1394a Male, 38.10 cm (15 in)
1	Ferrite Core for IEEE 1394 cable	
1	Cable, Ethernet CAT 5	RJ-45 Male to RJ-45 Male,0.61 meters (2 ft.). Used with RS-422 adapter for remote serial control
1	Adapter, RS-422	DB-9 Female to RJ-45 Female
1	Tray Mount Label Kit	

Additional 1002 Notes:

- 10-bit samples are recorded, providing the ability to record/playback any ITU-R 601 270 Mbps compliant video stream.
- The 1002 records and plays back SDI streams, as well as transmits and receives SDTI streams containing compressed DVCPRO, DVCPRO 50 and HDCAM. Compressed data is extracted from the SDTI stream and stored as a compressed file.
- The SDTI-CP format is used for transporting IMX formatted media originating from Sony® decks at 2 times real time.
- Omneon provides the 1002 for communicating with SDI and SDTI sources, but more specifically, for “wrapping” and “unwrapping”. SDTI and SDTI-CP sources. The 1002 runs in one of two modes:
    - In SDI mode, the 1002 will record and play back SDI streams (uncompressed standard definition video).
    - When recording in SDTI mode, the 1002 will “unwrap” whatever media is carried within the SDTI stream. The raw media (within the “wrapper”) is recorded on the MEDIASTORE. When playing back in SDTI mode, the 1002 will “wrap” the supported media types in SDTI for transmission or playout.
- For E-E mode during the encoding process, audio/video input is routed to the output for input monitoring.
- IRU 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.

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