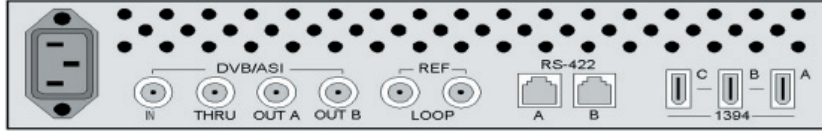


MediaPort 1005 DVB/ASI



MediaPort 1005 - Rear Panel View

The 1005 DVB/ASI MediaPort is an interface adapter for MPEG transport streams and control. The 1005 supports only transport streams on DVB/ASI inputs and outputs, and facilitates storage and playback of complete transport streams. It is also optimized to ingest and output transport streams without the need for de-multiplexing and re-multiplexing elementary streams. Ideal applications for the 1005 are time delay of complete transport streams, or NVOD (Near Video on Demand) applications in which a complex transport stream can represent multiple start times of a specific program. The 1005 is essentially a packetized bit recorder, accepting standard MPEG transport packets and recording them with no interpretation or content manipulation. Streams are played out through the MediaPorts exactly as recorded, from front to back (including null packets). The playout stream may not be paused, reversed, or played at anything other than 1x speed.

MediaPort 1005 Specifications

| Parameter | Specification | Detail |
|------------------------------|---|--|
| DVB/ASI I/O | DVB A010 Rev 1 (Asynchronous Serial Interface) ¹ | 75 Ohm BNC. Input with active loop-through. 2 x Outputs (Stream 1 and 2, independent) ² |
| Data Coding | 8b/10b | |
| Maximum Bit Rate | 100 Mbps | |
| Control | RS-422 Serial Control | VDCP Protocol, independent control of outputs 1 and 2 2 x RJ-45 connector, RJ-45 to DB9 adapter |
| High Speed Serial I/O | 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 |
| Reference | Reference Video | Derived from MediaServer or REF LOOP connectors |
| Environmental | Operation Temperature Humidity | +10C to +35C 10% to 80% non-condensing |
| Safety | USL/CNLF 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 |
| Rack Tray Dimensions | W: 44.5 cm (17.5 in) 48.3 cm (19.0 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) | Tray Only Tray plus rack ears Tray front to tray rear. Rear extenders supplied. |
| Weight | 2.7 kg (6.0 lbs) | |
| Power | 100-240 V, 50-60Hz, 5 Amp | Universal Power Supply |

MediaPort 1005 DVB/ASI

Included Accessories

| Qty | Description | Note |
|-----|----------------------------------|---|
| 1 | Power Cord | 1.83 Meters (6 ft.) |
| 1 | Cable IEEE 1394 | IEEE 1394 Male to IEEE 1394 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 1005 Notes:

- ¹Single packet burst mode only for playback. Not applicable for record.
- ²Simultaneous record and playback is not allowed. The 1005 is either recording or playing back. If the MIP 1005 is recording, the outputs are not available for playback. Two Players are required to control independent output streams 1 and 2.
- IRU tray (model MRT 2001) houses one or two MediaPorts.



US Headquarters:

965 Stewart Drive
Sunnyvale, CA 94085
ph +1 866.861.5690
ph +1 408.585.5000
fx +1 408.585.5099

Europe:

20 Campbell Court
Bramley, Basingstoke
Hampshire RG26 5EG UK
ph +44 (0) 1256.884.450
fx +44 (0) 1256.880.900

Japan:

1-21-3 Ebisu, Suite #101,
Shibuya-ku, Tokyo, 150-001
ph +81 03.5488.7425
fx +81 03.5488.7433

Asia/Pacific:

20 Loyang Crescent
Singapore 508984
ph +65.6548.0500
fx +65.6548.0504

Omneon, Omneon Video Networks, and the Omneon logo are registered trademarks of Omneon Video Networks, Inc. All other trademarks are the property of the respective companies.

Copyright ©2005 Omneon Video Networks, Inc. All rights reserved Printed in USA | January 2005

The information contained in this document is subject to change without notice or obligation. SpS-MediaPort1005050112 Rev.A