

MDP 3010 - IP to JPEG 2000 Decoder

Compact, Portable IP to JPEG 2000 Decoder



The MDP 3010 Decoder offers advanced, pristine quality IP / J2K processing in a compact and rugged footprint, exceeding the demands of high-end broadcast applications.

KEY FACTS:

- IP to J2K Decoder for delivering high quality video/audio/data over IP networks
- Two (2) SDI outputs plus HDMI output port for general purpose display connection
- SFP port for additional electrical/optical SDI output
- Supports:
 - Forward Error Correction (FEC)
 - Output Signal Correction
 - Video ID Insertion
 - Tally Indicator
 - Video Status Monitoring

KEY FEATURES:

- 3G / HD / SD-SDI format support
- Multiple Output Interfaces (SDI, HDMI, SFP)
- Compact and portable-small footprint for easy installation in space restricted applications

APPLICATIONS:

- Contribution Quality Broadcast Feeds
- Studio to Studio Media Exchange
- Content Screening & Quality Control Monitoring
- Distribution Delivery to DTT/Satellite/Cable and IPTV Head-Ends
- Remote Production and OB Van Environments

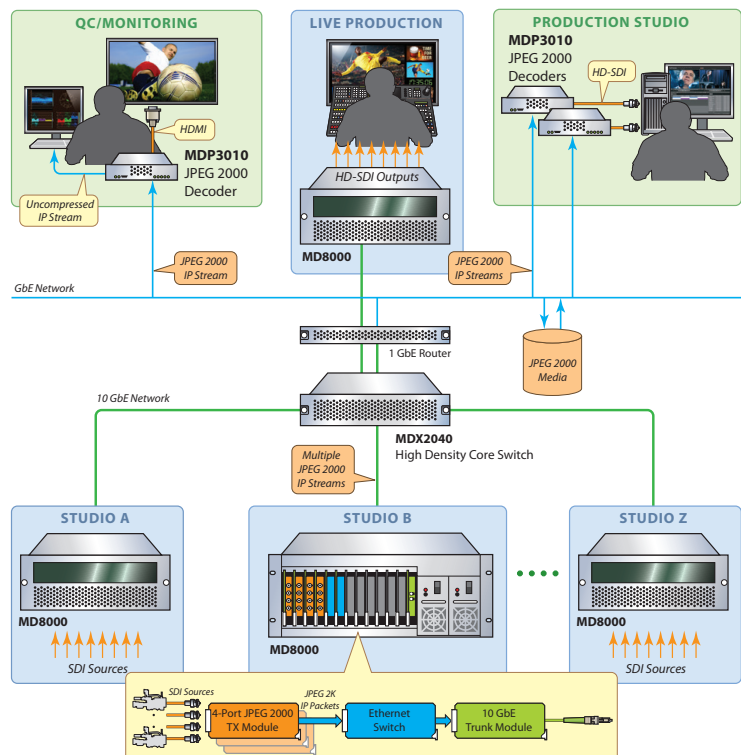
The Media Links MDP3010 is a low cost, compact, stand-alone appliance that decodes IP encapsulated JPEG 2000 streams anywhere.

The device receives IP packets that contain a JPEG 2000 compressed code stream through a 1 GbE network interface and reproduces an uncompressed output signal.

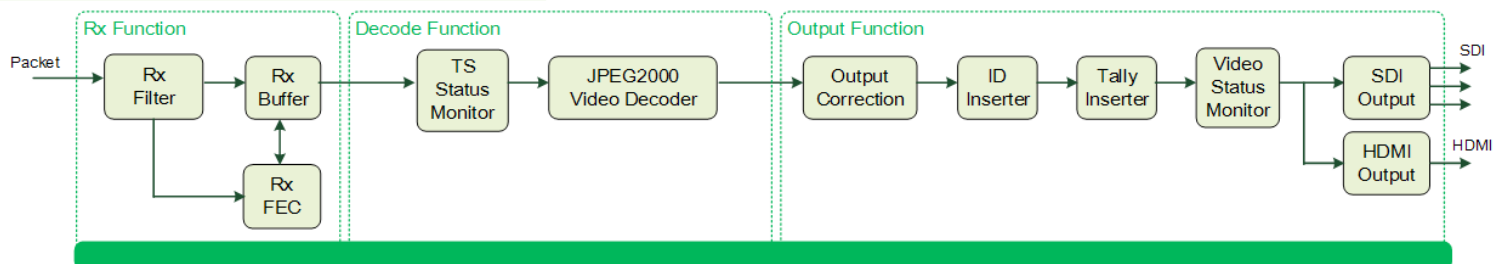
Two SDI outputs are provided along with an HDMI output port for connection to a general purpose display device. An SFP (small form-factor pluggable) port is also available as an additional electrical or optical SDI output.

The MDP 3010 is compact enough for limited space installations and fits comfortably next to or behind a video display, minimizing cabling requirements via its IP network connection.

Advanced capabilities such as Forward Error Correction (FEC), Output Signal Correction, Video ID and Tally Insertion as well as Video Status Monitoring are also included.



Typical application of MDP3010 Decoder



MDP 3010 Functional Block Diagram

SPECIFICATIONS & SUPPORTING PARAMETERS:

External dimensions	198 mm (W) x 35 mm (H) x 100 mm (D)
Weight	0.7 kg or less
No. of cooling fan modules	1 (Design life time = 75,000 hours)
Operating environment	Temperature: 0 °C - 40 °C Humidity: 20% - 80% (Non-condensing)
Power supply	Input: 12 VDC Consumption: 24 VA or less
Ethernet port	1x SFP (MSA) -- ETHER SFP 1000BASE-X (optical) or 1000BASE-T (electrical)
SDI output port(s)	2x BNC 75 ohm (Unbalanced) - SDI IN/OUT port - SDI MON port 1x SFP (Non MSA) - SDI SFP port (TX port only, RX not used)
SDI video formats supported	SD-SDI: 625/50 or 525/59.94 HD-SDI: 1080i/50, 1080i/59.94, 720p/50, or 720p/59.94 3G-SDI: 1080p/50 or 1080p/59.94
HDMI output port	1x HDMI Type-A -- HDMI OUT HDMI 1.4b and HDCP 1.4 supported
HDMI video formats supported	SD-SDI: 1440x480i/59.94 (16:9) or 1440x576i/50 (16:9) HD-SDI: 1920x1080i/50 (16:9), 1920x1080i/59.94 (16:9), 1280x720p/50 (16:9) or 1280x720p/59.94 (16:9) 3G-SDI: 1920x1080p/50 (16:9) or 1920x1080p/59.94 (16:9) Up to four (4) AES audio channels
Video compression data rates	SD-SDI: 24-125 Mbps HD-SDI: 75-350 Mbps 3G-SDI: 100-350 Mbps
Audio	Up to 8 AES Channels
Ancillary data (Packet ANC)	Up to 8 ancillary packets
Ancillary data (Packet ANC)	SD-SDI: 525i/59.94 - Line 9-21, Line 273-284 625i/50 - Line 7-24, Line 320-337 HD-SDI: 1080i/50,1080i/59.94 - Line 9-22, Line 571-585 720p/50,720p/59.94 - Line 9-27 3G-SDI: 1080i/50,1080i/59.94 - Line 9-43



MDP 3010 Front



MDP 3010 Rear

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