



MX1

THE FLEXIBLE IRD – STREAM PROCESSOR

Professional MPEG-2 DVB and ATSC IRD

The MX1 IRD series offers numerous capabilities and options, to bring you a perfect solution for broadcasting, Cable and Telco's while designing reliable, easy-to-use affordable products in 1RU.

MX1 Delivers transport streams across a wide variety of transport infrastructures. MX1 has the capabilities of converting between different interface types.

Unique Features

- Incoming stream from different TS - up to 5
- Combine two TS to multicast IP output
- Service / PID filtering
- Two DVB-CI slots for Multi Channel Descrambling (MCD) of 2 streams, up to 12 services or 24 PID's per CI slot (MX1-1355)
- Low power consumption
- Build in matrix, makes the unit full automatic redundant
- Build in Quad/ PIP video monitoring
- Multi BISS-1/E, descrambling - up to 8 BISS services

Flexible and customized solutions

Our experience and know-how in the market, makes ADI products the most powerful, and cost effective solutions for a variety of configurations.

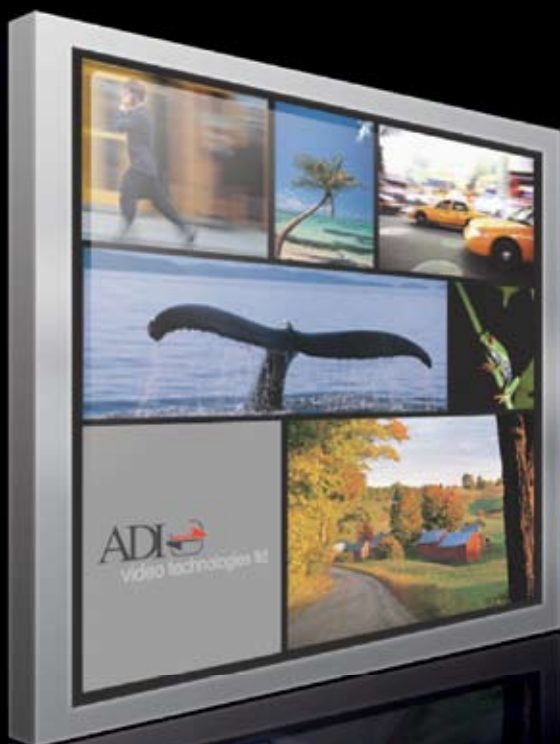
Cost saving

Multi fronts end with MCD option to IP streaming makes this unit a full solution in 1RU. With MX1, operator saves significant space, time and money.

Compatibility

Support a wide variety of Conditional Access (CA) systems, DVB-CI and embedded CAS: VideoGuard® (NDS), Conax®, Viaccess®, MediaGuard®, Cryptoworks®, NagraVision®, TongFung®, SECA®, ThalesCrypt Xcrypt®, Irdeto® .

Support various data insertion including Low Speed Data over RS-232 and HSD over 100BaseT • Remote control via friendly GUI, SNMP and via web browser.



Inputs

- DVB-S (up to 4)
- DVB-S2 (up to 2)
- DVB-T (up to 4)
- DVB-C (up to 4)
- IP streaming
- 2 ASI in

Outputs

- Two ASI out
- Video out: 2 Composite & 2 SDI
- Audio: analog & embedded SDI
- AES/EBU or Dolby digital®
- AC-3 pass through
- IP streaming Unicast/Multicast

Options

- MP@ML and 4:2:2P@ML
- VBI for re-insertion in composite and SDI
- Genlock
- Internal redundancy support
- Two GPI dry contacts.
- 24-48V Power Supply
- Quad/PIP Video Channel

IP Output

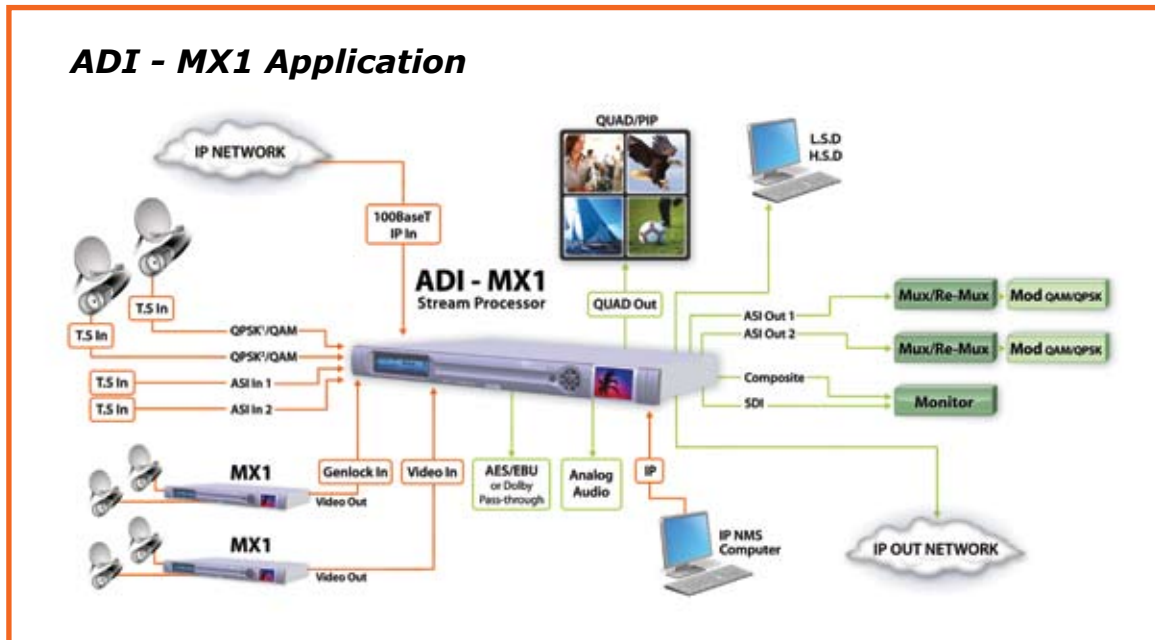
- De-jittering algorithm
- 100 BaseT Fast Ethernet
- Output rate: up to 35 Mbps
- Protocol: DVB over UDP
- DVB over RTP
- Multicast or unicast
- Support for SPTS/MPTS
- Support for VBR & CBR

Monitor & Control

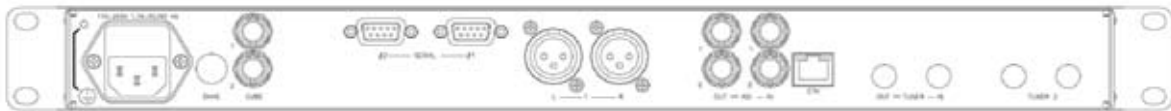
- Web interface
- RS232
- LCD Panel: IP parameters, bit rate monitoring
- SNMP monitoring & web browser

Physical & Power 19" rack mountable, 1RU

- HxWxD: 1RUx19" x 16.5" (44x 486x 420mm)
- Weight: 3.5 kg.
- Voltage: 100V-240V AC, 50/60 Hz
- Operating Temperature: 0 to 50°C
- Humidity: 5-95%
- Power consumption: 50W



SAMPLE CONFIGURATION



1RU unit, mounted in provided 19" rack mount configuration



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Contact our representatives at info@adi-vt.com to match the best solutions for your particular requirements.

Our sales department offer a range of payment methods and special promotions.

The ADI product family is fully compliant with the DVB & ATSC standards. All ADI's products are open architecture, interoperable with multi-vendor systems and products and integrate seamlessly into existing networks or as a basis for future growth.

We believe in providing our customers innovative highly-capable reliable easy-to-use affordable products.

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