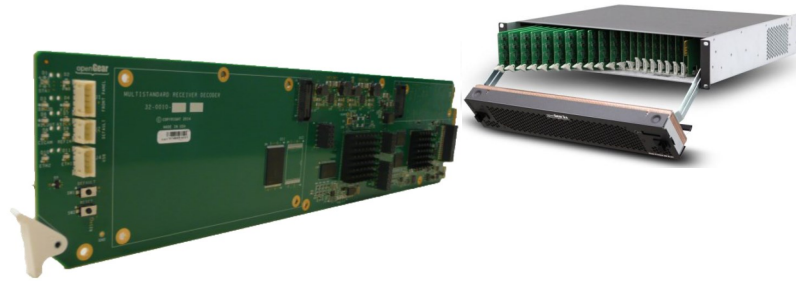




The **MVN-RX100 Receiver Decoder** decodes traditional MPEG broadcast formats as well as Internet formats at unrivaled SD and HD video quality.

This solution has the most flexible and cost-effective architecture for broadcast and streaming applications.



Business Benefits

Flexible Networking

Decoding options include the traditional formats along with newer ones such as RTMP and HLS. This decoder can support the new cameras that output RTMP or RTSP.

Cost Effective

The MVN-RX100 is competitively priced and also saves on OPEX costs based on high density and low power consumption.

Green Design

The fan-less design and product architecture decreases power needs and allows for silent operation.

Control & Monitoring

The DashBoard Network Control & Monitoring software is a free application designed for remote control & monitoring of the open architecture, openGear® platform. A complete SNMP MIB is also included.

For larger deployments where multiple chassis are deployed, the DashBoard application may be used for firmware updates and monitoring.

Application

The MVN-RX100 openGear® cards are high performance real time MPEG-2 and MPEG-4 SD and HD video decoding solutions that are future proofed by design. It is the first professional broadcast decoder that can decode the traditional video formats such as UDP and RTP (MPEG Transport Stream) as well as Internet and Mobile formats such as RTMP (Adobe Flash) and HLS (Apple's HTTP Live Streaming). IP Camera formats such as RTMP and RTSP are also supported.

The decoder has been designed to meet the demanding requirements of the IPTV, Telco, professional broadcast, enterprise video delivery, and streaming video markets.

The MVN-RX100 is a feature-rich high performance video decoder that delivers up to 10 individual HD/SD channels in a completely hot-swappable, stackable, and fault tolerant chassis.

Features

- MPEG-2 and MPEG-4 AVC Decoder
- MPEG-1 Layer 2, MPEG-1 Layer 3, AAC-LC, AAC-HE, E-AC-3 and AC-3 audio decoding
- DVB-ASI Turnaround to IP with SPTS Splitting
- Management and control via Dashboard software or SNMP
- IP reception of unicast or multicast
- HDMI, SDI, Composite, ASI and IP outputs
- Dolby audio pass-through and down mixing

Options

IP License

FEC License

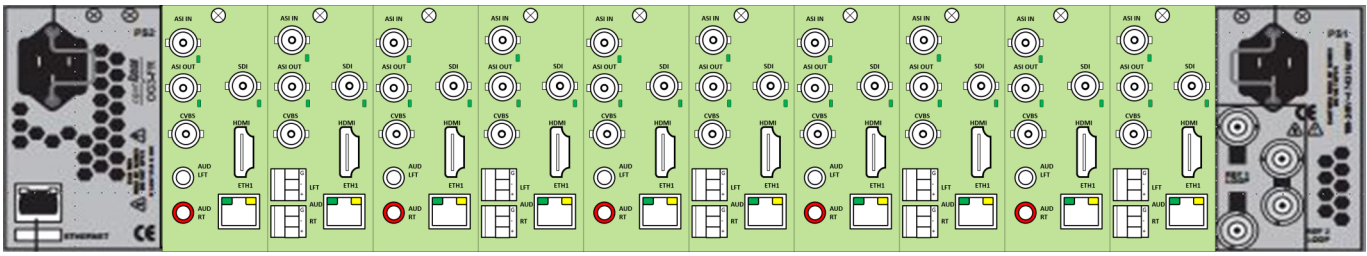
Genlock License

Dolby Decode License

ARQ License

Monitoring License (TR-101)

SPTS Stream Splitting License



Ten MVN-RX100 cards installed in a 2RU openGear® 19" chassis

Inputs and Outputs

Inputs

DVB-ASI and IP
Genlock

Outputs

DVB-ASI and IP
SDI
HDMI
CVBS (Composite Analog)
Unbalanced Audio (RCA)
Balanced Audio (terminal block)

Network Transport Protocols

UDP (Unicast and Multicast)
RTP (Unicast and Multicast)
RTMP (Adobe Flash)
HLS (HTTP Live streaming)
RTSP (Security Cameras)
SMPT-2022 Pro-MPEG FEC
ARQ

Video Processing

Decoding:

- MPEG-2
- MPEG-4 AVC (H.264)

Video Resolutions

SD and HD decoding

Maximum Resolution:

1920x1080i - 60

Audio Processing

Decoding:

- MPEG-1 Layer 2 (mp2)
- MPEG-1 Layer 3 (mp3)
- AAC-LC
- HE-AAC
- AC-3 (stereo output)
- E-AC-3 (stereo output)

Dolby Pass Through

Management

10/100/1000Base-T Ethernet (RJ-45)
Configuration import/export
Visual fault indicator
SNMP v1,v2
Datasafe™ automated card configuration

Physical

Dimensions:

2RU (W x D x H) 483 x 400 x 89mm

Up to 20 cards per chassis
(Dual Back-plane)

Power:

450 Watts max. per chassis
14 Watts per card max.
AC input 100-240 VAC 47-63Hz

Environmental

Operating Temperature:

0°C to 50°C (32°F to 122°F)

Operating Humidity:

5% to 95% (non-condensing)

Compliance

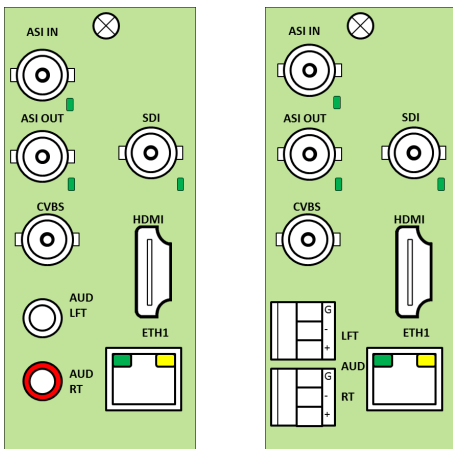
CE: CE marked in accordance with 89/336/EEC, 72/23/EEC and 1999/5/EEC Directives

EMC: EN55022, EN55024, EN61000, FCC Part 15

SAFETY: IEC 60950

ROHS: 2011/65/EU

WEEE: 2012/19/EU



There are two options for the back panels; one with unbalanced audio and one with balanced audio.

Note: MVN-RX100 specifications are preliminary and are subject to change.