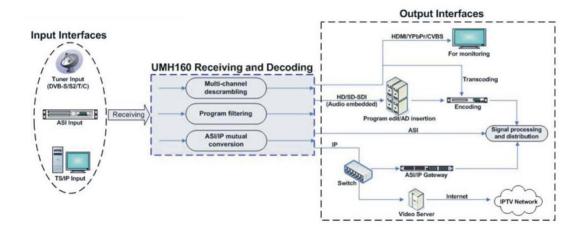




H.264 HD/SD Integrated Receiver Decoder



The UMH160 IRD is broadcast quality MPEG-4 AVC video/audio decoder that performs real-time receiving and decoding of HDTV & SDTV over DVB and broadband IP networks. It supports a rich set of input options including DVB-S/S2, DVB-C, DVB-T, DVB-ASI and IP, enabling it to receive and decode programs from different content sources. The output options range from CVBS, YPbPr, HDMI, AES/EBU, DVB-ASI to HD/SD-SDI and IP (Unicast/Multicast/Broadcast), allowing it to integrate with various applications. Controlled and monitored by network managment software and front panel, this user friendly decoder is an ideal equipment for signal conversion and distribution.



Features

- Receive MPEG-2/MPEG-4 signals from various sources including DVB-S/S2/T/C, ASI and IP
- Two common interfaces working simultaneously to support multi-channel decryption
- · Program filtering
- · Support various outputs including HDMI, YPbPr, CVBS, HD/SD-SDI, ASI and IP
- Optional TS/IP inptut/output enables IP/ASI conversion, IP stream descrambling
- Support multi-channel IP unicast and multicast (SPTS outputs for IPTV)
- Support Pro-MPEG FEC
- Network Management & SNMP support
- · BISS I and E support





H.264 HD/SD Integrated Receiver Decoder

TS STREAM INPUT INTERFACES

DVB-S/S2 Inputs

 Constellation Symbol Rate FEC

Signal Level

DVB-T Inputs

 Constellation Symbol Rate Frequency Signal Level

DVB-C Inputs Constellation

Symbol Rate Frequency Signal Level

DVB-ASI Inputs

Connector Packet Length TS Max Bit Rate

TS/IP Inputs (optional)

Connector Error Correction Encapsulation Protocol

Broadcasting Type

CONDITION ACCESS

Interface CA Methods

CAS

QPSK. 8PSK 1-45 Mbps

All rations compliant with standard

-65~-25 dBm

COFDM, 2K & 8K FTT

0.45-7 Mbps 45-858 MHz -90~-20 dBuV

QAM (16/32/64/128/256)

3-7 Mbps 50-862 MHz 32~105 dBuV

BNC, 75 ohm 188 & 204 byte packets 72 Mbps

100/1000 Base-T. RJ-45 Pro-MPEG FEC MPEG-2/MPEG-4 TS over UDP & RTP Unicast and Multicast

Two independent CI slots Multicrypt, Simulcrypt Conax, Irdeto, Viacess, Nagravision, CTI, DV-crypt,

etc.

Video/Audio Outputs

2xCVBS outputs (1 BNC, 1 RCA)

1xComponent output (YPbPr)

• 1xHDMI output (with HDCP, 720p & 1080i)

1xAES/EBU digital audio output

2xHD/SD-SDI outputs (with embedded digital audio)

DVB-ASI Outputs (2)

Connector BNC, 75 ohm Packet Length 188 byte packets TS Max Bit Rate 72 Mbps

TS/IP Outputs (optional)

Connector 100/1000 Base-T, RJ-45 Error Correction Pro-MPEG FEC # of Channels Broadcasting Type Unicast and Multicast Supporting Protocol: DHCP, TCP/IP, ARP, **IGMP**

VIDEO & AUDIO DECODING

Video Decoding

Decoding Formats: MPEG-2H.264 SD & HD 480i, 480p, 576i, 720p, 1080i Video Formats: Analog Output PAL/NTSC/SECAM

Audio Decoding

2 stereo pairs audio decoding

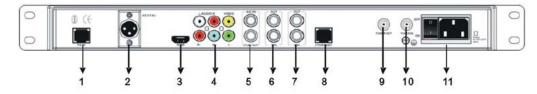
MPEG-1 and MPEG-2 Layer-I, II

PHYSICAL & ENVIRONMENTAL

- Power: AC 90~250V. 50/60Hz. 30W (max)
- Size: 1RU rack mount chassis.
- Dimension: 44mm x 484mm x 274mm
- Weight: 3.7 kg

CONFIGURATION & MONITORING

- Front panel keyboard and LCD display
- Network Management Software (SNMP support)



- 1. Optional IP input/output port (RJ45)
- 2. AES/EBU digital audio output
- 3. HDMI output
- 4. RCAA/V, Component output
- 5. ASI input & CVBS output (BNC)
- 6.2 HD/SD-SDI outputs

Rev 02-12

- 7.2ASI outputs
- 8. RJ45 port for network management
- 9. LNB loop through output
- 10. DVB-S2 tuner input (DVB-C or DVB-T optional)

11. Power switch

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Specifications Subject To Change Without Notice