

UMH 160

HD Integrated Receiver Decoder

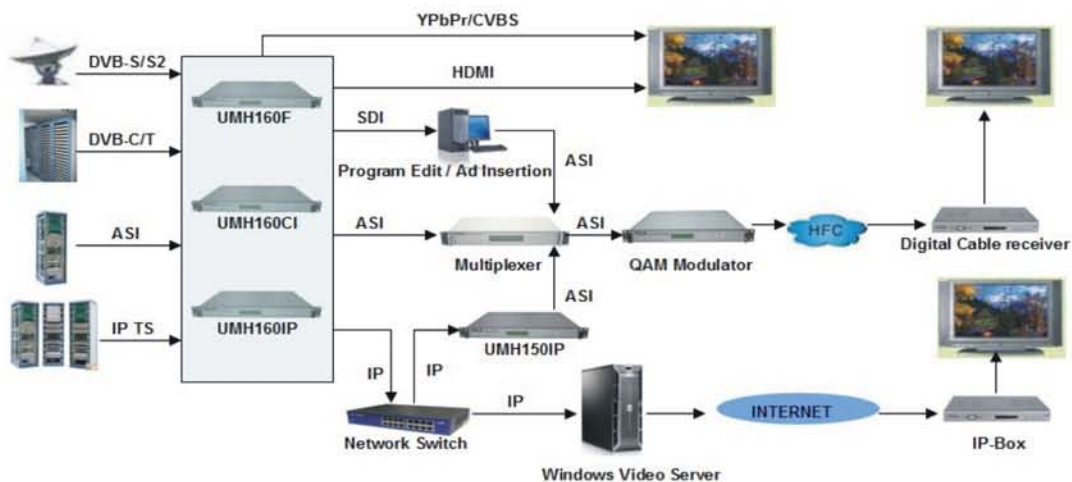


Description

UMH160 IRD is a MPEG-4/H.264 HD integrated receiver decoder with optional TS-IP mutual conversion function. It can receive signals from variable program sources including ASI, QPSK, QAM, COFDM and IP. The prolific output interface such as CVBS, YPbPr, HDMI, AES/EBU, HD/SD SDI, ASI and IP also help customers meet various requirements. UMH160 has 2 common interface slots which can decrypt multiple channels. With the LAN control and monitoring function, it is an ideal equipment for either a HD-based digital video or a IPTV head-end system.

Features

- Fully compliant with MPEG-4/H.264-AVC HP@L4, MPEG-2 MP@HL, MPEG-2 MP@ML and DVB-S/-T/-C standards
- ASI transport stream input and output
- TS/IP input and output supporting multiple multicast ports (optional)
- 2 Common Interface (CI) for descrambling major CAS including Irdeto, Viaccess, Conax, Mediaguard, Nagravision, Comvenient/Betacrypt, CTI & etc.
- Compatible with Multi-decrypt CI Modules
- Program filtering support
- VBI teletext, EBU subtitle and DVB subtitle processing
- Support PAL, NTSC and SECAM
- YPbPr and CVBS outputs
- HDMI output
- AES/EBU Digital Audio output
- HD/SD SDI video output with digital audio embedded (optional)
- Full control via front panel or Network Management Software (NMS)
- Software upgradeable via NMS



Specifications

DVB/IP Inputs

CI Model

- DVB-S/S2/C/T Input/Loop through Output
- Connector: F-type, 75 ohm
- 2 CI slots
- ASI input port
- Connector: BNC 75ohm

Additional with IP

- IP input port

DVB/IP Outputs

CI Model

- YPbPr output and CVBS output
- ASI output
- F-type LNB RF loop-through output
- Connector: BNC 75ohm
- HD/SD SDI output
- Connector: BNC 75ohm
- AES/EBU Audio output
- HDMI output

Additional with IP

- IP output port

Control and Monitoring

Local

- Front panel operation
- LCD Display

Remote

- Remote control via network management software (NMS)
- Software upgrade via NMS

Physical characteristics

Power:

- Input voltage: AC 90V ~ 250V, 50/60 Hz
- Power consumption: 40W (max)

Dimensions: (H x W x D):

- Unit: 44mm x 484mm x 274mm
- Package: 210mm x 580mm x 570mm

Size:

- 1RU (19"rack)

Weight:

- Net weight: 3.7 Kg

Model Function	UMH160CI			UMH160IP		
	-C	-T	-S/S2	-C	-T	-S/S2
DVB-C Input/Loop through Output	✓			✓		
DVB-T Input/Loop through Output		✓			✓	
DVB-S/S2 Input/Loop through Output			✓			✓
TS/IP input					✓	
TS/IP output supporting 8 multicast addresses					✓	
TS/IP output supporting 32 multicast addresses					Optional	
CI slot x 2		✓			✓	
AES/EBU Audio Output		✓			✓	
HD/SD SDI output		Optional			Optional	
HDMI		✓			✓	
ASI input		✓			✓	
ASI output		✓			✓	
YPbPr and CVBS outputs		✓			✓	
LAN Control (NMS)		✓			✓	