

HQAM-4HD Modulator

4-Channel High Definition QAM

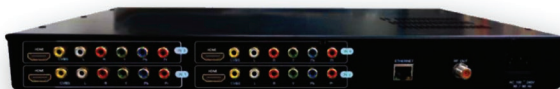
Holland Electronics' HQAM-4HD digital modulator converts digital or standard definition video and audio signals to QAM - with 4-channels outputting over a single coax line.

Standard features include multiple audio and video input options, adjustable RF output & attenuation, logical channel mapping, and a variety of additional configuration options.

Set-up and administration of the HQAM-4HD may be accomplished by either the LCD front panel display, or remotely by Ethernet connection and Web application.



HQAM-4HD Front Panel with LCD Display



HQAM-4HD Back Panel

Key Features

- Multiple Video Resolution Output Formats, Including, 1080, 720 and 480
- Outputs QAM HD or SD Video Over New and Existing COAX Distribution Systems
- Set Up and Administration Via LCD Front Panel or by Ethernet with Web Application
- Variable Output Power Level - From 25 - 43 dBmV
- Set-Up Customization for Channel Naming and Line Up Settings

Specifications

HQAM-4HD Modulator Specifications	
Source Input	HDMI / YPbPr / CVBS
Input Channel	4
Video	HDMI 1.4 / YPbPr / CVBS
Video System	HDMI 1080P 25/30 1080i 50/60 Max YPbPr (1080i, 720P, 480i/P) / CVBS
Video Input Level	1.0 V (p-p)
Audio Input Level	3.0 V (p-p)
Audio System	2 (Stereo) / HDMI
Compression	HDMI / YPbPr / CVBS
Video	HD: H.264, AVC / HP@ L4.0 SD: MPEG-2 / MP@ML
Video Resolution	1080P, 1080i, 720p, 480p
Video Bit Rate	7.8 Mbps Max.
Audio	MPEG 2, MPEG-2 AAC
Audio Bit Rate	384 Kbps
Editable Field	Service Name, Service ID, Virtual Channel, Rating, Long Channel Name, PMT PID, Video PID, Audio PID
RF Output	HDMI / YPbPr / CVBS
Type	1 Multiplex QAM with a digital TV service
Frequency	54 – 860 MHz
MER	35 dB, Typical
Output level	43 dBmV
RF Level Adjustment	25 - 43 dBmV
Attenuation step	2dB per step

Connections	HDMI / YPbPr / CVBS
Video	HDMI / RCA Female
Audio, L/R	HDMI, RCA Female
RF Output	F Female, 75 ohm
Configuration / Management	
Configuration	LCD Front Panel Display with Option Buttons
WebManagement	Web Application via RJ-45 Ethernet Port Over DHCP Network/Device, or Locally via Static IP Address
Modulation	Standard: QAM (J.83.Annex B) QAM: QAM256, QAM64 Channel Type: STD VCN: Virtual Channel Mapping Bandwidth: 6MHz
Power Supply	AC 100~240V 50/60Hz, 25W Typical
Display	LCD panel @ 2 x 16 characters.
Environmental for operating	Temperature: 5°C - 40°C Relative Humidity: 80% @ 30°C
General	
Dimensions (W*L*H)	19" x 12.5" x 1.75"
Weight	2.8 kg (6.17 Lbs.)

All specifications typical unless otherwise noted.

HDCP/HDMI Protected Content Notice:

This HQAM-4HD modulator is designed to receive and pass only unencrypted HDMI content from sources such as media players, digital cameras, PC's and other sources. In meeting HDCP compliance, this device restricts the ability to receive and pass rights-protected HDMI content from sources such as cable and satellite television set top boxes, DVD and Blu-ray players, or any other source of encrypted HDMI content.