

SD/HD Quad Digital Modulator CVBS/YPbPr Inputs

Digital modulators convert Digital Video Broadcasting (DVB) standard definition video and audio signals to DVB-T. The SD4650 provides quad inputs respectively. All units feature programmable channel and network names. Adjustable RF output (Normal, Inverted, and C.W.), adjustable logic channel numbering (LCN) and adjustable attenuation are standard features. The unit's front-mounted LCD display and controls allow for easy configuration.



Specifications

Source Input	YPbPr /CVBS
Input Channels	4
Video	YPbPr / CVBS
Video System	PAL/NTSC
Video Input Level	0.7-1.0 V (pp)
Audio Input Level	0.4 – 0.8V (p-to-p)
Audio System	2 x Mono (Stereo)

Connections	YPbPr/ CVBS
Video	RCA Female
Audio, L/R	RCA Female
RF Output	1 DVBT RF output with type F female, 75 ohm

Compression	YPbPr/ CVBS
Video	HD MPEG-4 AVC / HP@ L4.0 SD MPEG-2 / MP@ML
Video Resolution	1080i,720p,576p,576i, 480p,480i
Video Bit Rate	6 Mbit/S Max.
Audio	MPEG 2 Layer I MPEG-2 AAC
Audio Bit Rate	384 Kbit/s
DVB Insertion Tables	SDT,NIT
Editable Field	Service Name, TS ID, Network ID, Original NET ID, LCN, NIT Version

Configuration / Management	
Configuration	6 Local keys on front panel :
Web Management	RJ-45 Ethernet port

RF Output	YPbPr/ CVBS
• Type	1 Multiplex DVBT with a digital TV service
• Frequency	177 – 858 MHz
• MER	30 dB, typically
• Output level	95 dBuV
• Digital Gain/ Attenuation	+8 dB ~ -8dB
• Attenuation step	1dB per step

Modulation	Standard:DVBT (ETSI EN 300 744)
	Constellation: QPSK, 16QAM, 64QAM
	Guard Interval: 1/4, 1/8, 1/16, 1/32
	Code Rate: 1/2, 2/3, 3/4, 5/6, 7/8 FFT Carrier Mode: 2K, 8K Bandwidth: 6MHZ, 7MHz, 8MHz
Power Supply	AC 100~240V 50/60Hz
Display	LCD panel @ 2 x 16 characters.
Environmental for operating	Temperature: 5°C- 40°C
	Relative Humidity: 80% @ 30°C

*Specifications subject to change without prior notice.