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SDM-T1

SD DVB-T Modulator

Applications

   SDM-T1 is a composite video input standard definition DVB-T modulator which provides COFDM RF signal in range of 45-860MHz.

   It is designed to achieve 576i/480i (PAL/NTSC) by using MPEG2 low latency encoding engine and state-of-the-art DVB-T modulation technologies.

   It is an excellent choice to transport video/audio signals from TV satellite receivers, surveillance camera or video/media players to a LCD TV or set-top box.
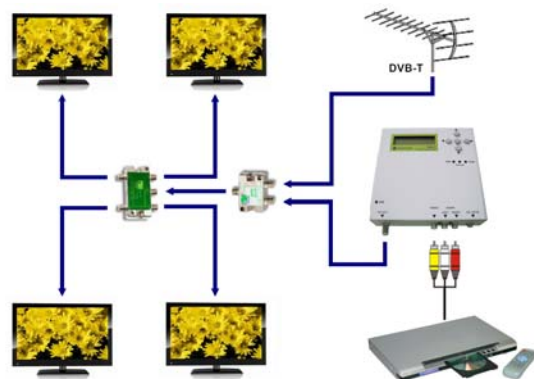
   It can be used in series with other SDM-T1 so the number of channels in the coaxial cable on the SMATV system can be increased as desired.

Features

◆ **Single input modulator that converts analogue A/V source to a DVB-T channel**
◆ **Programmable channel name and logical channel number insertion (LCN)**
◆ **Multiple video format compatibility including 576i(PAL) and 480i(NTSC)**
◆ **Multiple audio format compatibility including MPEG-1 Layer II**
◆ **Frequency range : 45~860MHz**
◆ **High output level up to 90 dBuV**
◆ **Carriers 2K and 8K**
◆ **Programmable video/audio/PCR PID**
◆ **User friendly setup and control**
◆ **Compact and wall mountable**

Demonstrations

Specifications

Video	Input Format	CVBS
	Encoding Format	MPEG-2 Video (ISO/IEC 13818-2)
		MPEG2 MP@ML
	Video Resolutions	576i / 480i (PAL / NTSC)
	Connector	RCA (75 Ohm)
Audio	Input Format	Stereo L/R channel
	Encoding Format	MPEG-1 Audio Layer II (ISO/IEC 11172-3)
	Connector	RCA (75 Ohm)
Modulator	Standard	DVB-T (ETSI EN 300 744)
	Bandwidth	6 / 7 / 8 MHz
	Carriers	2K / 8K
	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
	Frequency Range	45 ~ 860 MHz
	Output Level	75 ~ 90 dBuV
	MER	35 dB
System	PID Setting	Video / Audio / PCR
	Channel Name	15 Words
	Logical Channel Number	Number up to 1023
Control	Local Operation	LCD Panel
General	Dimensions	40mm(H) x 173mm(W) x 165mm(D)
	Weight (typical)	0.65 kg
	Power Source	DC12V (10.5 to 13.0V) SMPS (100-240 VAC/50Hz)

   Please contact us for more information at market@oarsman.com.tw