



### Introduction

The SDM4 is 4 composite video inputs standard definition DVB-T COFDM modulator which provide COFDM RF signal in range of 50-860MHz. SDM4 is designed to achieve 576i/480i by using MPEG2 low latency encoding engine and state-of-the-art COFDM modulation technologies. The SDM4 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.

### Features

- Integration of Encoder, TS Mux and DVB-T COFDM Modulator in one box.
- Multi-channel video interface, 4 composite video (CVBS).
- Multiple audio format compatibility including MPEG-1 Layer II
- RF output, DVB-T COFDM compatible
- Frequency range : 50~860MHz
- Programmable PMT/Video/Audio/PCR PID
- Programmable Network ID, Network Name, Service Name, Private Data Specifier and Logical Channel Number
- User Friendly configuration of RF frequency via Knob and remote Web Server control by LAN

### Specifications

Model Name	SDM4	Modulator	
<b>Video</b>		Standard	DVB-T (ETSI EN 300 744)
Channel Number	2 or 4	Bandwidth	6 / 7 / 8 MHz
Input Format	CVBS, Component Video (Option)	Carriers	2K / 8K
Encoding Format	MPEG-2 Video (ISO/ EC 13818-2), MPEG2 MP@ML	Constellation	QPSK / 16QAM / 64QAM
Video Resolutions	576i/480i	Guard Interval	1/4 , 1/8 , 1/16, 1/32
Connector	RCA (10K Ohm)	Code Rate	1/2, 2/3, 3/4, 5/6, 7/8
<b>Audio</b>		Frequency Range	50 ~ 860 MHz
Channel Number	2 or 4	Output Level	100~105dBuV
Input Format	Stereo L/R channel	MER	38 dB
Encoding Format	MPEG-1 Audio Layer II (ISO/IEC 11172-3)	Carrier	1 or 4
Connector	RCA (10K Ohm)	<b>System</b>	
<b>Stream</b>		Local Operation	888 LED Display, Knob
P D Setting	PMT / Video / Audio / PCR	User Interface	10/100M Ethernet Web Browser
Service Name	15 Words	<b>General</b>	
Network Information	Network Name / Original Network ID / Network ID / Private Data Specifier	Type	DIN Rail
Transport Stream D	16 bits	Dimensions	236mm(H) x 39mm(W) x 224mm(D)
Logical Channel Number	Number up to 1023	Power Source	Power Feeding 12V
		PWR. Consumption	25W