



### Introduction

Professionally performing device based on DVB-S/S2/DSNG standard Modulation DSM-1903ML Modulator shows superior quality in modulation of MPEG transport stream DVB-ASI signal to excellent RF output with adjustable frequency and output level.

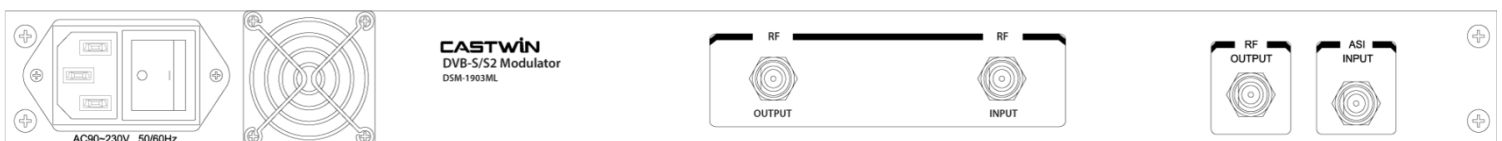
### Feature

- Transport Stream : DVB-ASI
- L-Band Output 950 ~ 2150MHz Step 1Hz
- IF Output 50 ~180 MHz
- ASI input transport stream
- Excellent RF output
- DVB-S/S2/DSNG Modulation
- User adjustable output level and frequency
- Front panel control
- Shoulders Rejection : < -50dB @ 0 dBm & f/fN=1.5 for roll off 20%
- Frequency: 54 ~ 1002MHz
- Output Level: 55±5 dBmV
- Spurious: ≤ -65dB
- External: 10 MHz input for RF Synchronization

### Competitiveness

- Retain your viewers with optimized modulator for ATSC(8-VSB)
- Cost reduction for installing with simple set-up and operation
- Stable output with hybrid AMP integrated
- Secure more space with compact and light weight design

### Configuration



### Specification

#### DVB-S

Mode Code	
QPSK	1/2, 2/3, 3/4, 5/6, 7/8
8PSK	2/3, 5/6, 8/9
16QAM	3/4, 7/8
Roll-Off	0.20, 0.25, 0.35
BISS	Mode (1, E Injected, E Buried and 0)
Symbol Rate	1 ~ 50 Mbauds

#### DVB-S2

Mode code	
QPSK	1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
8PSK	3/5, 2/3, 3/4, 5/6, 8/9, 9/10
16APSK	2/3, 3/4, 4/5, 5/6, 8/9, 9/10
32APSK	3/4, 4/5, 5/6, 8/9, 9/10
Roll-off	0.20, 0.25, 0.35
BISS	Mode (1,E Injected, E Buried and 0)
Symbol Rate	1baud ~ 50Mbauds
Pilot Insertion	
Operation Mode	CCM Only
Frame Type	Normal / Short

#### RF

Shoulder Rejection	< -50dB @ 0 dBm & f/fN=1.5 for roll off 20%
Tilt Correction	-0.040 ~ 0.040 dB/MHz
External Spurious	10 MHz input for RF synchronization
RF Power	<-65 dB
L-Band	-30.00 ~ +5.00 dBm Step 0.1dB
IF	950 ~2150 MHz
	50 ~ 180MHz

#### General

Power Requirements	AC 90~230V, 50/60Hz
Power Consumption	13W
Weight	3Kg
Dimensions	482 x 44 x 383 mm

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