



### Introduction

As a QAM modulator, it shows professional performance for received transport stream signal to output as frequency band for suitable CATV band transmission. It is also easy to select frequency band via front control panel.

### Feature

- ASI input transport stream
- Excellent RF output
- Supports QAM modulation
- Supports PCR re-stamping function
- User adjustable output level and frequency
- Front panel control
- QAM Modulation setting (64, 256QAM)
- PCR Jitter:  $\leq \pm 200$  ns
- Group Delay as  $\pm 20$  ns
- MER After Equalizer: 42dB
- Phase Noise: VHF -105 dB@20KHz, UHF -103 dB@20KHz
- Frequency: 54 ~ 1002MHz
- Output Level:  $55 \pm 5$  dBmV
- Spurious:  $\leq -63$ dB

### Competitiveness

- Hi-dense modulating for QAM(Annex A, B and C)
- Advanced coding as ITU-T(J.83) Annex A, B and C
- Cost effective with simple set-up and operation
- Hybrid AMP integrated

### Specification

#### Digital Input

Transport Stream	ASI
Connector	BNC (75Ω)
Coding	ITU-T (J.83) Annex A, B and C
Bit Rate	1~52 Mbps
Packet Format	188 Byte
Symbol Rate	1~7Mbps
Modulation	64,256 QAM

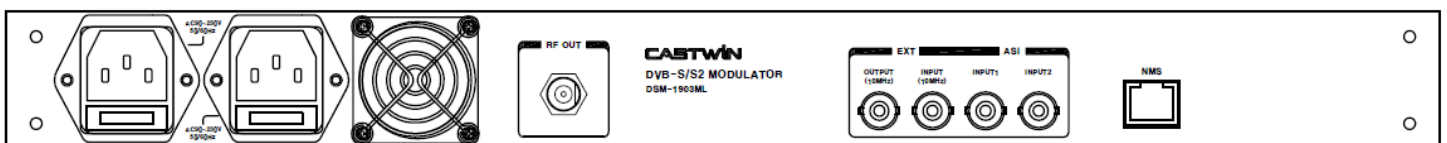
#### RF Output

Frequency Range	54~1002MHz
Impedance	75Ω
Output Level	$50 \pm 5$ dBmV
Level Control Range	0~-15dB
Bandwidth	6MHz : Annex B and C 8MHz : Annex A
MER After Equalizer	$\geq 42$ dB
MER Before Equalizer	$\geq 37$ dB
Phase Noise	VHF -105 dB@20KHz UHF -103 dB@20KHz
Adjacent Channel Carrier Attenuation Characteristic	$\geq 45$ dB (Out-of-band)
Spurious	$\leq -63$ dB
Return Loss	$\geq 15$ dB
Group Delay	$\pm 20$ ns
Frequency Response	$\pm 0.5$ dB
Frequency Tolerance	$\pm 2$ ppm
PCR Jitter	$\leq \pm 200$ ns

#### General

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

### Configuration



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