8-VSB Modulator

DVM-1903ML

Introduction

Professionally performing device based on selectable ATSC (8-VSB), QAM, or DVB-T standard modulation DVM-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

- ASI input transport stream
- Excellent RF output
- 8-VSB(ATSC)
- User adjustable output level and frequency
- Front panel control
- PCR Jitter: ≤ ± 200 ns
- Group Delay as ± 20 ns
- Phase Noise VHF -105 dB@20KHz, UHF -103 dB@20KHz
- Frequency: 54 ~ 1002MHz
- Output Level: 55±5 dBmV
- Spurious: ≤ -63dB
- MER After Equalizer: 42dB
- Highly advanced fine-tuning

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

Specification

Digital Input

Transport Stream	DVB-ASI
Connector	BNC (75Ω)
Coding	ITU-T (J.83) Annex D
Bit Rate	19.393 Mbps
Packet Format	188Byte
Symbol Rate	10.762 Msymbol/s
Modulation	8-VSB

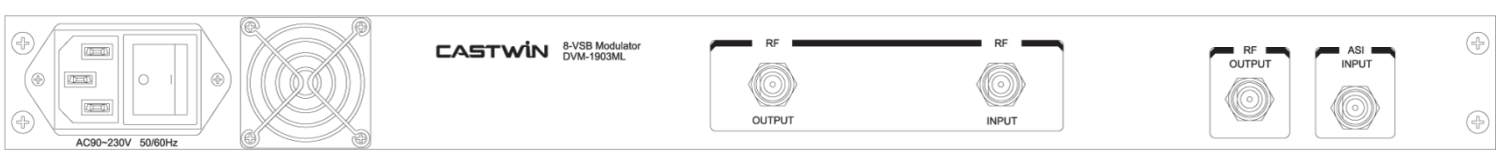
RF Output

Frequency Range	54~1002MHz
Impedance	75Ω
Output Level	50 ± 5 dBmV
Level Control Range	0~-15dB
Bandwidth	6MHz
MER After Equalizer	≥ 42 dB
MER Before Equalizer	≥ 37 dB
Phase Noise	VHF -105 dB@20KHz UHF -103 dB@20KHz
Adjacent Channel Carrier Attenuation Characteristic	≥ 45 dB (Out-of-band)
Spurious	≤-63 dB
Return Loss	≥ 17 dB
Group Delay	± 20ns
Frequency Response	± 0.5dB
Frequency Tolerance	± 2ppm
PCR Jitter	≤ ± 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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