

Sumavision

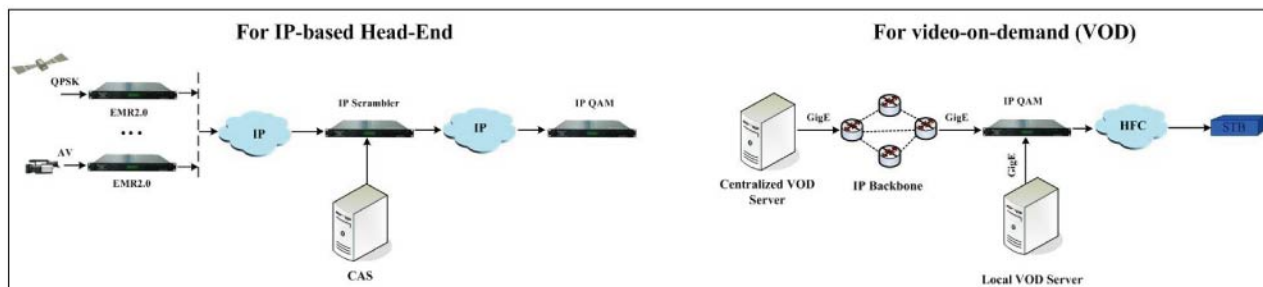


10K511 IP QAM

GENERAL INTRODUCTION

Sumavision 10K511 is a broadcasting-level and high density IP QAM (Edge QAM) Modulator which designed for broadcasting MPEG video over IP networks. It can be applied at any node of the system in the head-end, hub head-end and small area optical trunk network to realize data receiving, routing, multiplexing, scrambling, modulating, up-converting in Gigabit Ethernet for MPEG over IP. It can be widely used for cable digital television broadcasting and digital television VOD system.

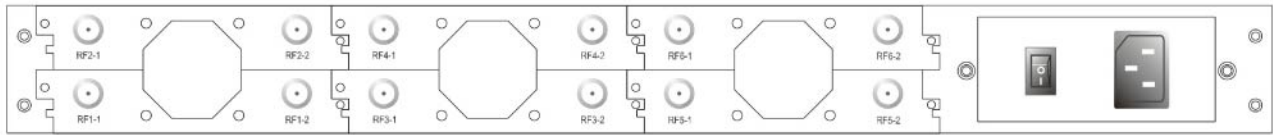
APPLICATIONS



FEATURES

- Compatible with ITU-T T.83 Annex A, B, C international standard and DVB-C standard
- Optical or electrical Gigabit Ethernet input
- Redundant 1+1 optical Gigabit input using optional SFP modules
- High density 1RU chassis; support 4, 8, 12, 16, 20, 24 frequencies QAM channels
- Powerful background configuration and SNMP management system
- All frequency agility, 45-1000MHz
- Support 64, 128, 256 QAM mode, flexible with different cable networks
- Support both SPTS and MPTS transport stream receiving
- Centralized WEB management system, support both local and remote monitoring
- Perfect cooling system to ensure the long-time reliability
- Redundancy power supply system to strengthen the reliability
- Temperature automation control and protection system to adapt to different environment
- Support remote update

SAMPLE CONFIGURATION



SPECIFICATIONS

Inputs

- Gigabit Ethernet Interface, (1000BASE-T), IEEE 802.3ab
- 2×SFP 1000BASE-SX/LX, IEEE802.3z
- Redundant SFP (optionally provide 1+1 optical input redundancy)
- Support ARP, ICMP network protocol
- Capable of processing a fully-loaded Gigabit Ethernet link

Outputs

QAM

- 75Ω F-type connector, 12 RF outputs, up to 24 frequencies
- Two adjacent QAM channels per F-connector output (one or both of the two channels may be muted)
- ITU-T J.83 Annex A, B and C
- 64, 128, 256 QAM constellations
- Frequency range 88-866MHz, adjustable in 10KHz steps

ASI

- 1 × ASI output, 75Ω BNC type connector
- Support RF output monitoring

Control

- 10/100BASE-T Ethernet control port, RJ-45
- SNMP and HTTP control

Physical

- **Dimensions(H x W x D):**
44mm x 483mm x 580mm (1.75" x 19" x 23")
1RU (19" rack)
- **Approximate Weight:**
15Kg(33Lb)

Power

- 110~240 VAC wide range, option for redundant power
- Power Consumption: <=350W

Environmental Conditions

- Operating: -20°C to 70°C (-4°F to 158°F)
- Storage: -30°C to 85°C (-22°F to 185°F)
- Humidity: 80% non-condensing

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