

64 UN-adjacent-channel QAM Modulating card

(IPQAM3.3)

QT322



Product Introduction

The QT322, 64-Unadjacent-channel QAM Modulating card, is the new generation modulator from Sumavision IPQAM3.3 platform with high integration technology. There are 32 un-adjacent channels of each RF output, and 2 RF ports on one module and each of them can be scrambled individually.

Features

QT322 modulation card has the top level RF index over the world

- Full band range from 45Mhz to 1000MHz
- High integration, can achieve two 32-un- adjacent frequencies RF outputs on one module
- Support scrambling function
- Flexible application work in IPQAM3.3
- One IPQAM3.3 can achieve 256 un- adjacent frequencies RF output
- 8192 UDP ports per Chassis

Technical Specifications

QAM Index

- Modulation mode: 64QAM, 128QAM, 256QAM
- ITU-T J.83 Annex A, Annex C
- SFP: IEEE802.3Z or IEEE802.3ab, support ARP, ICMP protocol, etc.
- 6 or 8MHz bandwidth

- Symbol Rate range: 3.500-7.000 Mbaud (1kbaud per step)
- Frequency range: 45-1000MHz (32-Un adjacent-channel in one RF port)
- Output Electric Level range: 95-122 dBuV
- MER(equalized): ≥ 45
- SNR: $\geq 60\text{dBc}@256\text{QAM}$
- PCR Jitter: $\leq 100\text{ns}$
- Phase Noise: $\leq -85\text{dB}@1\text{KHz}$, $\leq -105\text{dB}@10\text{KHz}$, $\leq -113\text{dB}@100\text{KHz}$
- RF Output : F-type connector, 75Ω
- Support fixed PID Mapping
- Maximum program NO. in each frequency: 256
- Capable of multiplex TS stream from SFP+ module(9600Mbps)

Output/Input

- Two RF Output(32-un adjacent-channel), F-type connector

Control

- Support WEB control
- Support for external SNMP control
- Upgrade via Ethernet port