



DVB-C Headend with Satellite and IPTV Input



- ✓ 4 Channel DVB-C (QAM) Headend System
- ✓ 12 DVB-S/S2 tuner inputs for 12 FTA satellite transponders
- ✓ 128 IPTV inputs (UDP, RTP)
- ✓ 4 groups multiplexing +4 groups scrambling
- ✓ 4 groups QAM modulating
- ✓ Excellent RF output performance index, MER ≥ 43 dB
- ✓ Accurate PCR adjusting
- ✓ PSI/SI editing and inserting
- ✓ Web management, Updates via web
- ✓ DiSEqC 1.0 LNB control for up to 4 satellites
- ✓ Dual power supply (optional)

IRENIS HDC-6012 is a next generation cable-tv headend system in one unit.

Satellite and IPTV channels can be combined in 4 different DVB-C groups and distributed over coaxial cable to large networks.

IRENIS HDC-6012 is a high performance and cost-effective QAM modulator.

It has 12 DVB-S/S2 FTA tuner inputs, 4 groups multiplexing, 4 groups scrambling, 4 groups QAM modulating and supports maximum 128 IPTV inputs through GE port and 4 adjacent carriers (50MHz~960MHz) combined output through the RF output interface.

IRENIS HDC-6012 is also characterized with high integrated level, high performance and low cost. It supports dual power supply (optional). This is very adaptable to new generation CATV headend systems.



Technical specifications:

Function	4 channel DVB-C Headend with Satellite, IPTV input
INPUT	12 DVB-S/S2 FTA Tuner
	128 IPTV channels over UDP and RTP protocol
OUTPUT	4 DVB-C groups which can be multiplexed from any combination of input channels
Tuner section	12 DVB-S/S2 tuners with input frequency range: 950-2150 MHz
	Symbol rate: 2-45 MSps (supports SCPC and MCPC)
	Signal strength: -65~-25dBm
	Supports QPSK, 8PSK; supports DiSEqC 1.0 LNB control for up to 4 satellites
Multiplexing	4 multiplexers, Maximum PID remapping: 128per input channel
	PID remapping (automatically or manually), Accurate PCR adjusting, Generate PSI/SI table automatically
Scrambling	Max simulcrypt CA: 4
	Scramble Standard: ETR289, ETSI 101 197, ETSI 103 197
	Local/remote connection
Modulation	4 DVB-C (QAM) channels, Standard EN300 429/ITU-T J.83A/B
	RF frequency 50~960 MHz, 1 kHz step
	RF output level 77~97 dBμV, 0.1 dB step
	Constellation 16/32/64/128/256QAM
	MPTS / SPTS over UDP, 10/100 Base-T Ethernet interface (UDP unicast / multicast)
SYSTEM	
Control	Remote management Web NMS (10M/100M)
GENERAL	
Dimensions	482mm×300mm×44.5mm, 19" 1U, 3.7 kg
Power	AC 110V±10%,50/60Hz or AC 220V±10%, 50/60Hz, 25 W, dual power supply optional
Temperature	0~45°C (operation), -20~80°C (storage)

