DVB-C Headend with Satellite and IPTV Input

![DVB-C logo]

- ✓ 16 Channel DVB-C (QAM) Headend System
- ✓ 16 DVB-S/S2 tuner inputs for 16 FTA satellite transponders
- ✓ 512 IPTV inputs (UDP, RTP)
- ✓ 2 ASI inputs
- ✓ 16 groups multiplexing +16 groups scrambling
- ✓ 16 groups QAM modulating
- ✓ Excellent RF output performance index, MER ≥ 40 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-7016 is a next generation cable-tv headend system in one unit.

Satellite and IPTV channels can be combined in 16 different DVB-C groups and distributed over coaxial cable to large networks.

IRENIS HDC-7016 is a high performance and cost-effective QAM modulator.

It has 16 DVB-S/S2 FTA tuner inputs, 16 groups multiplexing, 16 groups scrambling, 16 groups QAM modulating and supports maximum 512 IPTV inputs through GE1 port and 16 non-adjacent carriers (50MHz~960MHz) output through the RF output interface. To meet customers' various requirements, this device is also equipped with 2 ASI input ports.

IRENIS HDC-7016 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	16 channel DVB-C Headend with Satellite, IPTV and ASI input
INPUT	16 DVB-S/S2 FTA Tuner
	512 IPTV channels over UDP and RTP protocol
	2 ASI input, BNC interface
OUTPUT	16 DVB-C groups which can be multiplexed from any combination of input channels
Tuner section	16 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	16 multiplexers, Maximum PID remapping: 128per input channel
	PID remapping (automatically or manually), Accurate PCR adjusting, Generate PSI/SI table automatically
Scrambling	Max simulscrypt CA: 4
	Scramble Standard: ETR289, ETSI 101 197, ETSI 103 197
	Local/remote connection
Modulation	16 DVB-C (QAM) channels, Standard EN300 429/ITU-T J.83A/B
	RF frequency 50~960 MHz, 1 kHz step
	RF output level 87~107 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℃ (operation), -20~80℃ (storage)