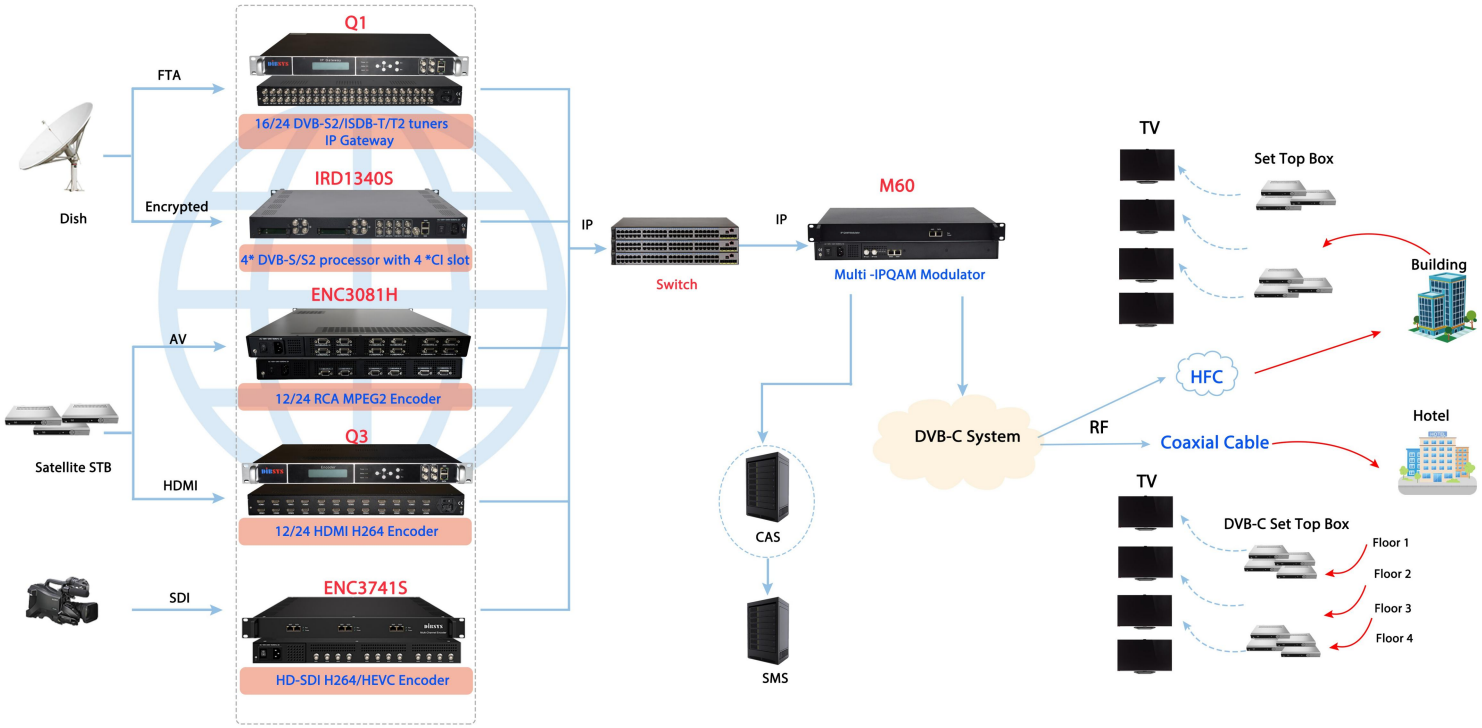
DIBSYS

Recommended DVB-C Headend Equipment

Product Profile

Nowadays, digital TV has gradually replaced the traditional analog TV, especially DVB-C cable TV is now very popular. According to different clients' project requirements, we configure the following effective cost DVB-C headend solution:



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Features

1. For FTA channels which are directly from satellite

Here you can check our **16/24* DVB-S/S2 FTA to IP Gateway Q1 series**, which can with 512 SPTS and 4*MPTS over IP output, it can also support multiplexing.

2. For encrypted channels which are directly from satellite

2.1 if you can get the CAM card from your local stream provider, then here I want to share you **4* DVB-S/S2 processor with 4 *CI solt IRD1340S**.

If you are unable to get the CAM card, then you can use satellite receiver like dreambox , output HDMI or CVBS , then can connect to our encoder.

3. For Encoder part.

3.1 SD channels, here with following encoders:

You can choose this video encoding format, when you have enough bandwidth and spectrum resource. Then you can check our **12/24 *channels MPEG-2 low bitrate Encoder ENC3081H**.

3.2 HD channels, then you can consider **12/24 *channels H.264 HDMI to IP Encoder Q3 series**. which can with AAC and up to 1080p resolution out upon your requirement.

3.3 SDI channels, recommend **4/8/12 channels HEVC H.264 HD-SDI Encoder ENC3741S.**

4. For Modulator part. here please allow me show you the DVB-C model

If more than 50 channels, then please check **M60, up to 48 QAM channels IPQAM modulator,** Max 1536 IP in thru 3 GE ports, and support ITU-T J.83 A/B/C modulation.

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Product list

IRD			
DVB FTA RF Tuners to IP Gateway	Q1 series	1. 16/24ch DVB-S2/T2/ISDB-T/ FTA RF in 2. 512*SPTS and 4*MPTS and N*tuner passthrough and 2seperate ASI with multiplexed	1. Most channels from FTA DVB-S2 2. Low cost 3. Not need strictly video bitrate if you have enough Internet BW
DVB-S2 IRD And Descrambler	IRD1340S	1. 4*DVB-S2 RF with 4*CI slot 2. Up to 48*SPTS/4 MPTS out after descrambled 3. MPEG2 and H.264 HD/SD	1. If the others channels from Encrypted satellite TP, and you can get the **Cam Card** to descramble 2. Get the channels directly without trans- coding 3. Not need strictly video bitrate if you have enough Internet BW

Encoder			
MPEG2 SD Encoder	ENC3081H	1. 12/24* Composite and 48 Pairs of R/L unbalanced Analog inputs 2. Low bitrate MPEG-2 encoding 3. Screen ratio: 4:3,16:9 4. Audio: MPEG-1 Layer 2,Dolby AC3-2.0 5. N* SPTS/MPTS over UDP as mirror of ASI out	1. Low cost 2. Source signal from encrypted DVB-S2 program of Satellite receiver 3. Source signal from Local source (DVD player)
H.264/MPEG4 AVC Full HD Encoder	Q3 series	1. 12/24ch HDMI input 2. MPEG-4 AVC/H.264 Video encoding 3. With 2* ASI input multiplexed 4. Simultaneous outputs SPTS/MPTS over GbE IP 5. Support UDP/RTP over IP out 6. With MPEG-1 layer2 Audio encoding, option AAC	1. Local player and DVB-S2 Encrypted channels from HD box with HDMI out 2. For the Good Video watch by the big LCD TV.

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Premium HEVC H.264 up to 12 chs HD-SDI Encoder	ENC3741S	1. 4, 8 , 12 Ports, 4 channels in one module, up to 3 modules 2. 1*MPTS and 4 SPTS (per module) output over UDP/RTP 3. HEVC/H.265, MPEG-4 AVC /H.264 video encoding 4. MPEG-1 Layer 2, AAC, AC3 Passthrough audio encoding	

Modulator			
IPQAM Modualtor	M60	1. Max 1536 IP in thru 3 GE ports (each port can input max 512 IP), 100/1000M self-adaption Ethernet Port (SFP interface optional) 2. Support ITU-T J.83 A/B/C modulation 3. Supports 6 simul-crypt CAs and 12 scrambling channels 4. 48 IP output over UDP/RTP/RTSP	

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Technical Benefit

High Performance

- Supports many programs and a large number of STB users

- Advanced in video compression technology to deliver unsurpassed video quality at lowest bitrates and low latency

Flexibility and Stability

– Modular design across the whole system, easy installation, maintenance and upgrade

- Add or exchange the equipment as necessary

- 1+1 redundant & hot-swappable power supplies for high reliability and stability of system.

High Adaptability and Availability

- Suitable for different common channels with one model of modulator

- Pay-as-you-grow modular design, flexible configurations and licensing mechanism.

Lower CAPEX/OPEX

- Low power consumption with high efficient reduce electricity cost for operators

-Adopt Web browser and SNMP management with remote monitoring and control, then can greatly reduce management time and operating expenses (OPEX) of operators.

- High quality equipment built in multiplexing and scrambling simplify the system and save your money.

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