



Overview

ACE3548H 8 in 1 Encoder/Modulator is an all-in-one device integrated encoding (MPEG-4/AVC H.264), multiplexing and modulation functions in one standard 1U case. It can convert 8 HDMI signals and 1 ASI input to DVB-C RF out in the frequency range of 30~960MHz. It is also equipped with 2 ASI port and IP port to output TS. The signals source could be from satellite receiver, close-circuit television cameras and etc. Its output signal is to be received by DVB-C standard TVs or DVB-C STBs. The device can be used in public such as metro, market hall, theatre, hotels, resorts, etc for advertising. It also can be used for monitoring, training and educating in company, schools, campuses, hospital.

Features

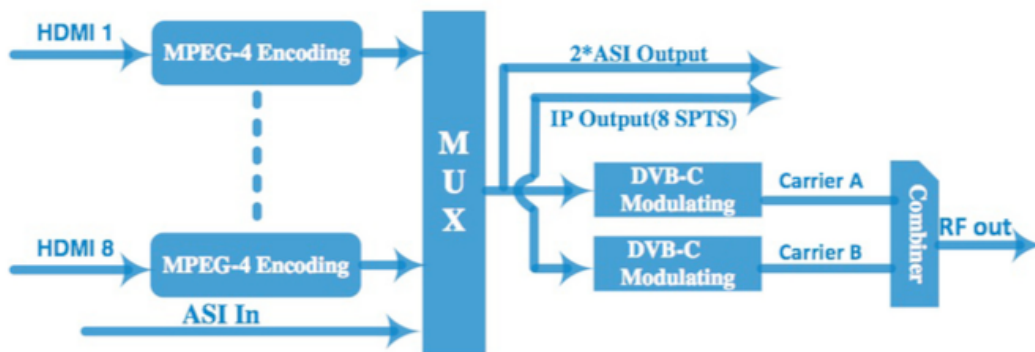
- Support 8 HDMI channels input & 1 ASI Input
- Support H.264/AVC video encoding
- Support MPEG1 Layer 2 (HE-AAC(V2), LC-AAC optional) audio encoding
- Support PSI/SI editing and inserting
- Support accurate PCR adjusting
- PID remapping and pass through
- Support VBR/CBR video bitrate mode
- Support 720P, 1080I, 1080P HD video format
- Support IP (1000M) Output over UDP,RTP/RTSP
- 2*DVB-C RF output
- Support IP null packet filter
- Real-time output bit-rate monitoring
- Update device through web based NMS port
- Support LCD / keyboard operating, and network management (web)

Specification

| | | | | | |
|-----------------|---|---|---|---------------------|--|
| Input | 8 x HDMI inputs | | | | |
| | 1 ASI input, BNC interface | | | | |
| Video | Resolution | 1920x1080_60P, 1920x1080_50P | | | |
| | | 1920x1080_60i, 1920x1080_50i | | | |
| | | 1280x720_60P, 1280x720_50P | | | |
| | | 720x576_50i, 720x480_60i | | | |
| | Encoding | MPEG-4 AVC/H.264 | | | |
| | Bit-rate | 0.8Mbps~19Mbps (each channel) | | | |
| | Rate Control | CBR/VBR | | | |
| | GOP Structure | IBBP | | | |
| | Advanced Pretreatment | De-interlacing, Noise Reduction, Sharpening | | | |
| Audio | Encoding | MPEG-1 Layer 2 (HE-AAC V2, LC-AAC Option) | | | |
| | Sampling rate | 48KHz | | | |
| | Bit-rate | 64Kbps~384Kbps each channel | | | |
| Multiplexing | 1 ASI input multiplexed with local 8 channel of TS | | | | |
| | PID remapping (automatically or manually) | | | | |
| | Accurate PCR adjusting | | | | |
| | Generate PSI/SI table automatically | | | | |
| Modulation | DVB-C | Standard | J.83A, J.83B, J.83C | | |
| | | MER | ≥42dB | | |
| | | RF frequency | 30~960MHz, 1KHz step | | |
| | | RF output level | -30.0~-10.0dbm (77~97dbμV), 0.1db step | | |
| | | Symbol rate | 5.0 – 9.0 Msps | | |
| | | J.83A | Constellation | 16/32/64/128/256QAM | |
| | | | Bandwidth | 8M | |
| | | J.83B | Constellation | 64QAM, 256QAM | |
| | | | Bandwidth | 6M | |
| | | J.83C | Constellation | 64QAM, 256QAM | |
| Bandwidth | 6M | | | | |
| | RF out | 2*RF DVB-C out | | | |
| Stream function | 2*ASI to mirror one carrier output, BNC interface | | | | |
| | 8 SPTS over UDP,RTP/RTSP 1000Base-T Ethernet interface (unicast/multicast) | | | | |
| System function | LCD/keyboard operating, web NMS supporting | | | | |
| | Ethernet software & hardware upgrade | | | | |

| | | |
|---------------|-------------------|-----------------------------------|
| Miscellaneous | Dimension (WxLxH) | 482mm x 455mm x 44mm |
| | Approx weight | 4kg |
| | Temperature | 0~45°C (work), -20~80°C (Storage) |
| | Power | AC 100V-220V±10%, 50/60Hz |
| | Consumption | 25W |

Application



Obtaining Document

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Encoder Modulator

Model : ACE3548H

8-HD DVB-C Encoder Modulator

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