



H.264 HD Encoder High Definition Encoder AD-1885

The AD1885 is the best choice for any cable TV/satellite operator that needs to compress high definition video signal using H.264 format video encoding.

The AD1885 can be used on different types of applications such as Satellite, Cable or Terrestrial which fully complies with the H.264 standard.

It supports High definition SDI (optional) and HDMI inputs. The single multiplexed input can be output as an IP unicast or multicast stream. You can manage this device remotely over the web-GUI.

The AD1885 supports a high-quality resolution with low bit rate.

Main Features

- Support 1 independent digital audio/video inputs
- Video inputs: HDMI/SDI (Optional)
- Audio inputs: embedded HDMI/embedded SDI
- Video compress/encode standard support: H.264 HD and SD
- Support TS multiplexing with auto-generated PSI/SI
- H.264 encoding bit rate range per channel: 0.5 – 20 Mbps (HD) / 0.5 – 7 Mbps (SD)
- Support VBR/CBR video encoding
- Supported video input resolutions: 1920x1080 50i, 1920x1080 59.94i, 1920x1080 60i, 1280x720 50p, 1280x720 59.94p, 1280x720 60p, 720x480 60i, 720x576 50i
- Supported video encoding resolutions: 1920x1080, 1280x720, 720x576, 720x480
- Audio encoding: MPEG-1 L2, AAC
- Audio input bit rates: 64Kbps, 96Kbps, 128Kbps, 192Kbps, 256 Kbps, 384Kbps
- Audio sampling rate: 48 KHz
- Data rate range: 2 – 70 Mbps
- TS pack format: 188 bytes
- IP output TS is in the form of UDP packet with the support of SPTS/MTPS mode
- Redundant IP port served as a backup for system stability and reliability
- LCD-display front panel with push buttons for local control
- Remote control and upgrade through web-based management system
- Alarm system display
- Power failure memory recovery

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Technical Specifications

Network Management	
Support	Web-based management, Network Management Software
Interface	1*Ethernet 10/100 Base-T
Connector Type	RJ-45
Protocol	TCP/IP
Data Rate	100 Mbps
Power Consumption	
Input Voltage	100 – 240 VAC / 2A
Input Freq.	50/60Hz
Consumption	75W
DC Output	5V/7A,12V/3A
Environment	
Working Temperature	5°C - 45 °C
Storage Temperature	-25 °C - 85 °C
Humidity	10% - 90%
Physics	
Dimension (W x H x D)	483mm x 44mm x 450mm
Weight	5.8Kg

HDMI Interface	
Input Interface	1*HDMI
Video Format	NTSC (525/60), PAL(625/50), 1080i, 720p (selectable)
Video Standard	HDMI 1.3, compatible with S/PDIF (IEC90658)
SDI Interface	
Input Interface	4*SDI
Video Format	NTSC (525/60), PAL(625/50), 1080i, 720p (selectable)
Connector	BNC (75Ω)
Video Standard	SMPTE 359M/292M Protocol
Output EPL	800 mV ±10%
Output Interface	
ASI	1*ASI
IP	1*IP
ASI Interface	
Connector Type	BNC-J12 (75Ω)
Pack Format	188 Bytes
Data Rate	2 – 70 Mbps
Output EPL	800 mV ±10% (75Ω)
IP Interface	
Connector	RJ-45
Dual IP Ports	Main and Redundant
Data Rate	100 Mbps
Data Format	UDP
TS Processing	Support SPTS and MPTS
Functionality	
Multiplexing	Simple Multiplexing, SPTS/MPTS
Encoding	Support SD/HD encode (MP@HL/ML, H.264/AVC) and MPEG-4 encode

