



H.264 HD Encoder High Definition Encoder Transcoder AD-1864/P/S

The AD1864/P/S 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 AD1864/P/S 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 and 4 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 AD1864/P/S supports a high-quality resolution with low bit rate.

Main Features

- Support 1 independent digital audio/video inputs
- Video inputs: HDMI/SDI
- 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	4*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	2*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

