CMP310HC-8/16/24

Multi-channel HD Encoder
(Logo/QR Code/OSD insertion)

WELLAV

CMP310HC-8 (8-CH HDMI Encoder)

CMP310HC-16 (16-CH HDMI Encoder)

CMP310HC-24 (24-CH HDMI Encoder)

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

INTRODUCTION

CMP310HC-8/16/24 is Wellav newest high-density multichannel H.264/H.265 HD encoder with enhanced video quality which supports 8/16/24 HDMI inputs and TSIP output as well as Logo/QR Code/OSD insertion. It also supports MPEG-1-layer II audio encoding with options for AAC and AC3 codec. With its powerful features, density, cost-effectiveness, and compact design, this device is widely used in commercial AV, traditional CATV and IPTV system where there is a need for massive encoding requirements in a cost-effective way.

FEATURES

- Supports 8， 16 or 24 HDMI inputs with H.264 /H.265 encoding format
- Supports MPEG-1 Layer II, AAC (optional), AC3 (optional) encoding
- Supports Logo/QR Code/OSD insertion with custom position/font/color adjustment
- Enhanced video quality for such interlaced video input as 1080i/576i/480i signal
- Configuration takes effect immediately without reboot
- Supports 119 TSIP output (MPTS or SPTS) and one ASI output (MPTS or SPTS)
- Web-based network management and software upgrade with user-friendly GUI
- Simple configuration and installation

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SPECIFICATIONS

Input	
8,16,24 HDMI input	

Output	
1 x RJ45 IP output (MPTS/SPTS, UDP/RTP),119 channel 1 x ASI output(MPTS/SPTS) up to 150M,BNC	

Video Encoding	
Encoding Format	H.264/AVC MP/HP@L3.1(720P) H.265/HEVC MP@L3.1(720P) H.264 MP/HP@L4.2(1080P) H.265/HEVC MP@L4.1(1080P)
Interface	8,16,24 x HDMI female connector (HDMI1.4)
Resolution	HD: 1080p-29.97/30, 1080i-29.97/30/50/59.94/60 720p-50/59.94/60 SD: 576i50, 576p50, 480i-59.94/60, 480p-59.94/60 *Output supports progressive only, and resolution supports up to 1080p30
Rate Control	CBR
TS Rate	600~10000 Kbps
GOP Structure	IPPP
GOP Size	1-60
Aspect Ratio	Automatic and Manual
OSD Overlay	Text, Image, QR Code

Audio Encoding	
Encoding Format	MPEG-1 Layer II, AAC (optional), AC3(optional)
Bitrate	96~192Kbps
Audio Mode	Stereo 2.0
Sample Rate	48KHz
Audio Level	-20dB~20dB

Multiplexing	
Table Supported	PSI/SI generation including PAT, PMT, NIT, SDT and BAT
PID Processing	PMT PID, Video PID, Audio PID, PCR PID editable
Service Name Edit	Yes
Service Operator Edit	Yes
TS stream output	UDP/RTP Multicast/Unicast Output, SPTS/MPTS, ASI Output

System	
1 x RJ45 management port	
Web-based network management & software upgrade	
English/Chinese GUI	

Physical& Environment	
Chassis Dimension	444mm x 44mm x 336mm (W x H x D), 1RU
Temperature Range	0～50℃ (operation); -10～70℃ (storage)
Input Voltage	100-240 VAC, 50/60Hz

ORDER INFORMATION

Model	Description
CMP310HC-8	8-CH HDMI encoder, H.265/H.264 HD/SD encoding, MPEG1L2 audio encoding, AAC (optional), A-C3 (optiona), IP input/output, 1x ASI output, support OSD subtitle, logo picture and QR Code overlay
CMP310HC-16	16-CH HDMI encoder, H.265/H.264 HD/SD encoding, MPEG1L2 audio encoding, AAC (optional), A-C3 (optiona), IP input/output, 1x ASI output, support OSD subtitle, logo picture and QR Code overlay
CMP310HC-24	24-CH HDMI encoder, H.265/H.264 HD/SD encoding, MPEG1L2 audio encoding, AAC (optional), A-C3 (optiona), IP input/output, 1x ASI output, support OSD subtitle, logo picture and QR Code overlay

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