

CMP310HC-8/16/24

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



CMP310HC-8 (8-CH HDMI Encoder)



CMP310HC-16 (16-CH HDMI Encoder)



CMP310HC-24 (24-CH HDMI Encoder)



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 C (operation); -10~70 C (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 (optional), 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 (optional), 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 (optional), IP input/output, 1x ASI output, support OSD subtitle, logo picture and QR Code overlay |

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