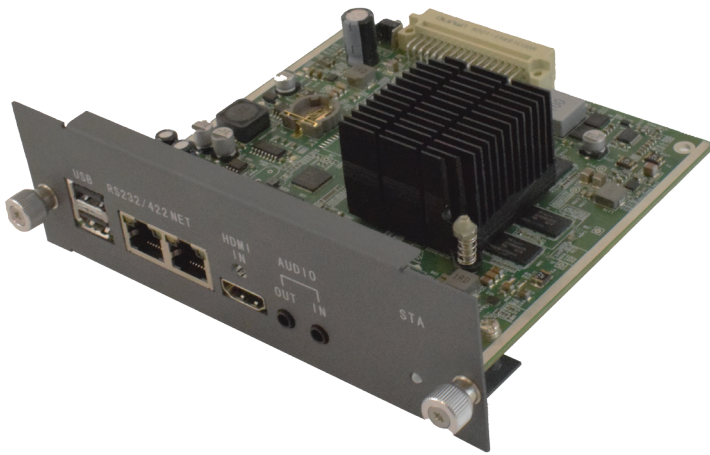


DATASHEETS  
Encoders

# CB-IPMA-ENC

Module HDMI encoder for Matrix



## Key Features

- Plug and play
- Can drive up to 1 HDMI input
- Support 4K, 1080P, 720P and D1 video format
- Each card can support 1ch HDMI input, every odd input support 4K input
- Single module support 4ch at 4K or 32ch at 1080P or 64ch at 720P encoding

## Specifications

Part No 1702005

### Interface Parameter

HDMI input	1 CH per card, odd port support 4K input
Ethernet	100M/1000M adaptive RJ45 port
Audio input	1ch, $\Phi$ 3.5 earphone socket
Audio output	1ch, $\Phi$ 3.5 earphone socket
Alarm output	Support (rack construction)
USB2.0	Support
RS232	Support
RS422	Support

### Video Parameter

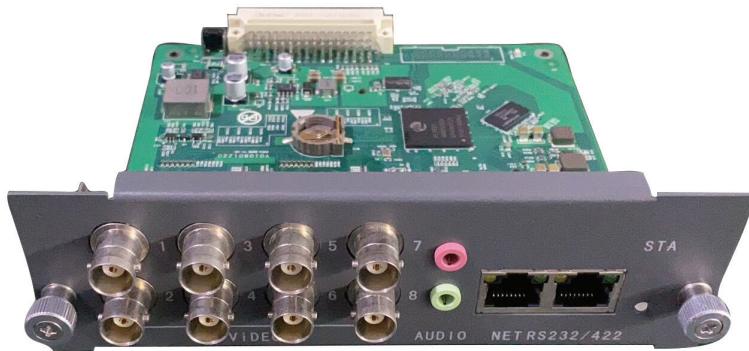
Network video encoding	H.265, H.264, MPEG4
Network video input resolution	4K, 1080P, 1080I, 720P, D1
Encoding frame	1fps ~ 60fps
HDMI output resolution	1024×768P@60Hz, 1280×720P@60Hz 1366×768P@60Hz, 1920×1080P@60Hz 3840×2160@60Hz
Audio Codec.	G.711, G.726, ADPCM Audio encode/decode

### Environment

Power supply	DC12V
Power Consumption	7W
Working Temperature	0~55°C
Working humidity	10% ~ 90%

# CB-IPMA-ENCB

Module BNC encoder for Matrix



## Key Features

- Plug and play
- Supports 8 CH BNC input, support AHD, HD-TVI, HD-CVI, CVBS signal input
- Supports 1080P, 720P, D1 and CIF video format
- Supports CVI, TVI and CVBS video input
- Supports 4ch at 1080p or 8ch at 720p

## Specifications

Part No	1702009
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### Connector

Ethernet	RJ45 port, 100M/1000Mbps self-adaptive
BNC	8 BNC port for video input
RS422	RJ45 , 1 RS422
RS232	RJ45, 1 RS232
Audio	1in 1out, 3.5mm micro port
Power	Power from backboard

### Connector

Video input	Supports HD-TVI, HD-CVI, AHD & CVBS
Video input standard	Supports NTSC,PAL, 960H, HD-TVI (720p@25Hz, 720p@30Hz), HD-CVI (720p@25Hz, 720p@30Hz)
Encoding	H.264
Resolution	1080p/720p/D1/CIF
Encoding capability	4ch 1080p or 8ch 720p
Encoding frame rate	1-30fps
Encoding code rate	10Mbps maximum
Audio input	Reserved
Audio output	Reserved
Video format	H.264 MPEG4
Audio format	G.726 G.711a/u AAC

### Communication

Control method RX	Network
Control protocol RX	Onvif or private protocol
Control method TX	Coaxitron, RS-485
Control protocol TX	Pelco C, Hik-C, Pelco-P / Pelco-D

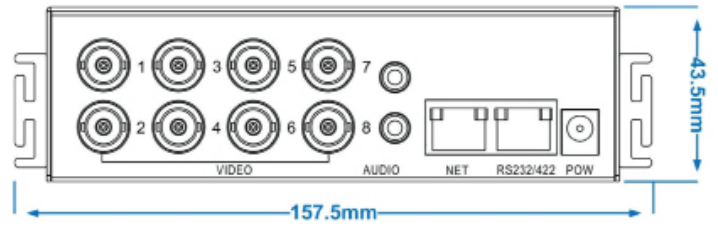
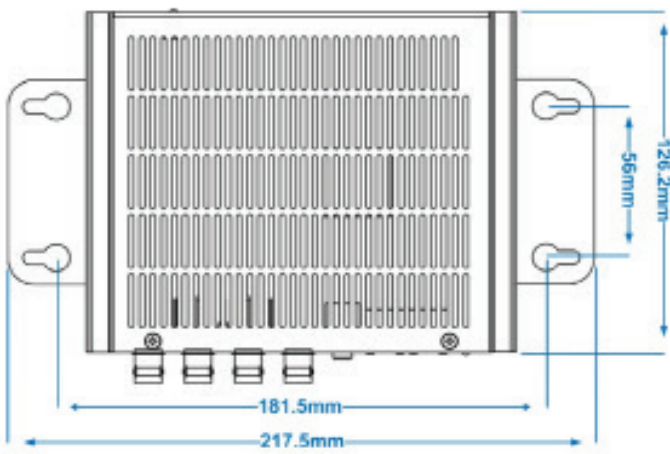
### System

Language	English
WEB	Browser, set, management
Firmware update	IE
Stream	Supports primary stream/sub stream configure individually Supports multiple stream request Supports Multicast & Unicast
OSD overlap	Support
Video loss alarm	Support
Network protocol	HTTP, RTSP, TCP, UDP, RTP, ARP

### Environment

Power supply	Power adapter.
Power consumption	≤8W
Working temperature	0~55
Working humidity	10% ~ 90%

## Dimensions





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