

北京桦薇电子通讯科技有限公司

Beijing Huawei Electronics & Communication Technology Co Ltd

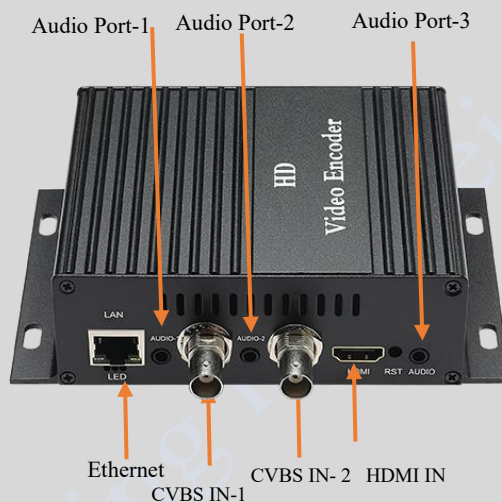
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## HD Video Encoder

**Part Number: BH-3A2CV1HD-Encoder**

HDMI+2BNC HD/SD Encoder

H.265/H.264, CVBS/AHD



**Address:** Office 1602, Block F, Huiyuan International Apartment, No.8 Beichen East Road, Chaoyang District, Beijing

**地址:** 北京市朝阳区北辰东路8号汇园国际公寓F座1602室

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## Product Introduction:

BH-3A2CV1HD is a professional high-definition and standard-definition audio and video encoding product. It supports 1 channel of high-definition HDMI audio and video and 2 channels of standard-definition CVBS/AHD video, 3 channels of 3.5MM independent audio interface acquisition function, encoding and outputting dual stream H.265/H.264 format, audio MP3/AAC format. The encoding bit rate is adjustable and the picture quality is controllable. It supports HTTP/RTSP/RTMP/UDP and other protocol transmission. It is easy to use and there is no hardware compatibility problem.

## Product performance:

- ◆ Embedded hardware coding
- ◆ Resolution supports  
1920x1080p/1920x1080i/1280x720p/720\*576i/720\*576p/640\*480i and other conventional resolutions (customizable)
- ◆ Support H265MAIN PROFILE/H.264BASELINE PROFILE / MAIN PROFILE/HIGH PROFILE
- ◆ Support multiple devices on one computer to display at the same time
- ◆ Support direct network connection without the need for a high-definition capture card
- ◆ The network interface adopts 1000M full-duplex mode
- ◆ 1 channel HDMI input, 2 channels CVBS/AHD input, 3 channels 3.5MM independent audio interface input, support SDI/VGA/CVBS to HDMI input, support audio gain
- ◆ Support up to 720P, 1080P HD video input
- ◆ Support RTSP/RTMP/HTTP/UDP unicast, multicast and other protocols (RTMP supports adding users and passwords), support DHCP protocol, ONVIF protocol.
- ◆ Compatible with Wowza/FMS/RED5 and other streaming media servers, and can push direct current with streaming media servers to achieve live video broadcast
- ◆ Supports multi-protocol and multi-stream functions such as main and secondary streams. The main stream and secondary stream can be transmitted using different network protocols
- ◆ Bit rate control CBR/VBR 16KBIT/S~12MBIT/S
- ◆ Video packaging method: FFMPEG/VLC
- ◆ Support customized output settings for streaming resolution
- ◆ Transmission mode: TCP, UDP, 1000M (RJ45 duplex network port)
- ◆ Support code stream to add watermark function (OSD), XY axis, font can be set

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- ◆Support Chinese and English web page access, password change, support WAN remote management (WEB)
- ◆Support DHCP automatic IP acquisition, one-key restore, version upgrade and remote maintenance
- ◆Supports both built-in and external modes, supports left and right channels
- ◆Support one-click restoration of default configuration
- ◆Low power consumption design, support set-top box decoding

## Product parameters:

Product Model	BH-3A2CV1HD Encoder	
Input	One HDMI signal input, Two CVBS/AHD signal input, Three 3.5 audio input	
Output	1 channel IP signal output	
Video	Input resolution	1920x1080p/1920x1080i/1280x720p/720*576i/720*576 p/640*480i and other conventional resolutions
	Coding Standards	H.264/H.265
	Coding level	H.265 MAIN PROFILE H.264 BASELINE PROFILE H.264 MAIN PROFILE H.264 HIGH PROFILE
	Encoded size	640*360~1920*1080 (customizable)
	Video bitrate	CBR/VBR bit rate control 16KBIT/S~12MBIT/S
	Video frame rate	30fps/60fps
	OSD	Word
Audio	Input Selection	1 channel HDMI embedded audio, 3 channels 3.5MM independent audio, support audio gain
	Audio Coding	AAC/MP3
	Audio bitrate	24Kb/s~256Kb/s
	Sampling rate	32000, 44100, etc.

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IP Output	1 RJ45 1000M adaptive Ethernet port, TS standard stream, ONVIF protocol	
System	Network Protocol	Support HTTP, RTSP, RTMP, UDP, multicast, unicast
	Configuration Management	Support IE configuration and remote upgrade
General	power supply	12V~2A
	Power consumption	5W
	Size	100mm x 148mm x 40mm (L x W x H)
	Operating temperature	-30°C to +60°C
	Operating humidity	<90%, no condensation
	Weight	0.3KG

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