

MagicBro+

DIBVISION | DIBSYS

portable H.265 H.264 Streaming Encoder with 4G 5G WIFI

HDMI H.265 HEVC H.264 MPEG-4/AVC 4G 5G+



Accessories

MagicBro+ 4G/5G WIFI + Battery HD-MI Full HD Encoder, a professional equipment specially designed for the outdoor ultra-clear live broadcasting industry, which support video capture features high-definition HD-MI, 1 channel microphone, and 1 channel 3.5mm independent audio interface acquisition, 2 streaming H.265/ H.264 encoded output format, audio MP3, AAC formats.

Lowest cost and easy-to-use video streaming appliance designed for professional video producers who need to broadcast high definition video. From any HD-MI input source such as a camera or switcher, it generates an H.264/H.265-encoded stream compliant with RTSP, HTTP, HLS, UDP, RTMP, RTMPS, RTP, SRT protocols. The product can be applied to education, health care, IPTV, conference, Live match, remote education, news interview, banking, transportation and other industries.

It supports insertion of SIM card, and provides reliable uplink bandwidth to ensure that the network environment is not ideal. Intermittent video transmission can also minimize the delay of data transmission.

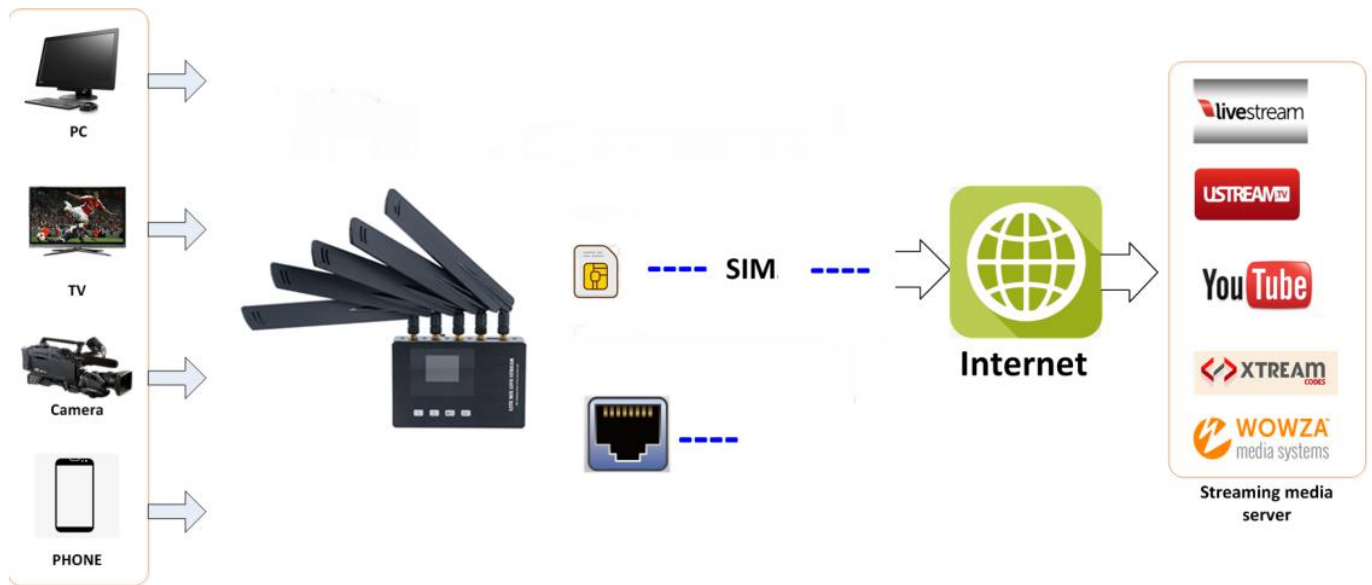
With MagicBro+ Full protocol / multi-link / ultra-high bandwidth, it can broadcast To Any Streaming Platform and allows you to stream your live video content to a Wowza server or the platform of your choice at any time.

Features

- Support 4G/5G/WIFI/cable network
- 2 inch LCD touch screen, screen display, and screen management
- 1*HD-MI input&output
- HD-MI port up to 1080P 60fps resolution input&output
- H264/H265 encoding format
- The shoe base is fixed to the camera
- multiple devices display on a computer at the same time
- Support RTSP/RTP/RTMP/RTMPS/HTTP/HLS/SRT/ONVIF 28181/UDP unicast and multicast protocol
- Compatible with Wowza/FMS/RED5 streaming media server etc
- OSD in Chinese/ English, support OSD rolling, images superimposing, adding LOGO, Characters and symbols
- Voice intercom, audio mixing, pad playback, TF card recording
- WIFI: 2.4Ghz, 5.8Ghz Dual WiFi, 802.11n is compatible with IEEE802.11g, IEEE802.11b
- Support coding without video signal;
- Complete the setting effect immediately, no need to restart
- Support 2 profile output, each profile can be pushed to 4 different platforms, 8 RTMP streams MAX.
- Video director function supported (HD-MI, IP Source switching output)
- one-key recovery of the default configuration
- Low power consumption design, long battery life
- External battery power supply
- 1*HD-MI + 2*IP mixing function
- WEB management, support mobile APP operation to manage the encoder

Application

- network TV IPTV HD encoder
- Can be accessed NVR for DVR
- digital signage HD streaming server
- video conferencing system, video server
- network conference system video capture
- instead of HD video capture card
- Mobile live system
- Online classroom system
- Hotel CATV system



TECHNICAL SPECIFICATIONS

INPUT

Types

1*HD-MI
2*IP input for mixing
1 channel microphone

OUTPUT

IP output

1*HD-MI output
2 profile IP signal output, 1 RJ 100M / 1000M adaptive Ethernet port, TS stream standard, Support 2 profile output, each profile can be pushed to 4 different platforms, 8 RTMP streams MAX

Video

Input resolution

1920x1080p, 1920x1080i, 1280x720p, 720*576i, 720*576p, 640*480i, and other conventional resolution

Coding standard
Coding level

H.265/H.264
H.265 MAIN PROFILE
H.264 BASELINE PROFILE

Encoded size

H.264 MAIN PROFILE
H.264 HIGH PROFILE
640*360~1920×1080p

Video bit rate control
Video frame rate
OSD

(customization supported)
CBR/VBR 16Kbit/s ~ 12Mbit/s
1080p@60fps/30fps
Character, images

Audio

Input selection

1 channel embedded audio HD-MI;
1 channel 3.5MM independent audio (audio gain supported)
1 channel microphone

Audio coding
Audio bit rate
Sampling rate

AAC/MP3
64Kb/s~384Kb/s
32000, 44100, 48000 etc

WIFI 2.4G/5.8G

IEEE 802.11 b/g/n client
 Embedded high-performance 32-bit RISC microprocessor
 Highly with integrated RE with 55nm CMOS technology
 1T1R mode with support of 150Mbps PHY rate
 Integrated high efficiency switching Regulator
 Best-in-class power consumption performance
 Compact 5mm x 5mm QFN40L package 1/2/3/4- wire PTA
 WIFI/Bluetooth coexistence support 802.11 d/h/k compliant
 Security support for WFA WPA/WPA2 personal, WPS2.0 WAPI
 Support 802.11w protected managed Frames
 Qos support of WFA WMM, WMM PS
 Support WIFI Direct
 Fully compliance with USB v2.0 High-speed mode
 Per packet transmit power control
 Antenna diversity
 Auto-calibration

System

Network protocol	Supports HTTP, RTSP, RTMP, RTMPS, HLS, SRT, UDP, Multicast, Unicast, SRT
Configuration management	Support IE configuration, remote upgrade, App Management
Cloud control	RS485 platform control (PELCO-D, PELCO-P protocol support)
Storage	TF card (max 128G, optional 64G SANDI industrial CLASS10 card)

Environment

Power Supply	Standard 16.8V-3A D-TAP adapter
Power consumption	10~20W
External battery capacity	Standard BP-95 14.8V 6400MAH 95W (working 3~4 hours)
Operation temperature	-20℃+ 60℃
Working humidity	<90%, Non-condensing
Dimensions	182mm x 129mm x 45mm
Weight	1.45KG (with battery); 0.85KG (without battery)

New director function













- Support 1*HD-Mli + 1*IP director
- with PIP, single screen, dual screen, multi-screen output
- multiple input arbitrary switching
- Custom layout
- score board (match score display)




DIBSYS

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 up to 1080P FHD	 H.265 HEVC H.265/H.264	 WIFI/HOTSPOT	 4G/5G SIM card
 Director (switch video)	 HDMI		
 TF One-Button record	 RS-485		
 ABR ADAPTIVE BITRATE	 LOGO Customizable		
 Audio IN/OUT	 APP:LiveX		



Related Products

Model	input	output	SIM card	resolution
MagicBro+	1*HD-MI 2*IP input for mixing 1 channel microphone	1*HD-MI output 2 profile IP signal output	1*SIM card 4G/5G	Up to 1080P
MagicBro	1 HDMI input (HD-SDI option); 1 channel 3.5MM channel audio input	1 profile IP signal output	1*SIM card 3G/4G	Up to 1080P
MagicBit	1*HD-MI and 1*HD-SDI same time 2*IP input for mixing 1 channel 3.5MM channel audio input	1*HD-MI+1*SDI output 3 profile IP signal output	3*SIM card 3G/4G/5G	Up to 4K

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