

Model : ATZ HDMI-DEC101

Description : H.265 4K Video Decoder with LED (HDMI+VGA+CVBS+Audio Output)



This AV decoder is a professional 4K H.265 (HEVC) hardware decoder that brings multiple video streams to HDMI/CVBS/VGA output. Without relying on a computer, it decodes any IP streams including HTTP/SRT/RTSP/RTMP/UDP/RTP/UTP, etc, and outputs the video and audio to the display wall in up to 9 grids or free layout, and dynamic switching is supported.

It supports H.265 & H.264 decoding format. It receives TS (transport stream) from encoder, and supports setting the maximum output resolution is 4K(3840*2160@30Hz).

This equipment is highly integrated and is low cost. It can be widely used in various HD video systems eg multimedia release and digital signage. It supports POE power supply, OLED real-time display to ensure uninterrupted video streaming. And also supports an RTMP server for direct connection with encoders.

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Features:

- Support H.265 and H.264 decoding
- Support 1 x HDMI, 1 x VGA, 1 x CVBS and 1 x Audio output
- Support Embedded RTMP server, maximum support 1Gbps concurrency
- Support HTTP/HTTPS/RTSP/RTMP/SRT/UDP/RTP protocol
- Support 9 channels RTSP/HTTP/UDP/HTTPS/SRT/RTMP forward to RTMP/ RTMPS/UDP/RTP
- LCD display device name, IP address, resolution and working status
- Support resolution up to 4K (3840*2160@60Hz/30Hz) output
- Support Split Screen: 1ch, 4ch, 9ch decoding simultaneously
- Support boot screen customization
- MJPEG/JPEG Baseline decoder
- MPEG1 Audio Layer 2
- 1000m network interface uses full duplex mode
- Support POE power supply(optional)
- Support SDK, secondary development

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Specifications:

| | |
|--------------------------------|--|
| Video Output | 1xHDMI, 1xVGA, 1xBNC (CVBS:PAL/NTSC), 1xAudio |
| Output Resolution for HDMI/VGA | 4K: 3840*2160@30Hz 1080P: 1920*1080P@60/50/30/25Hz 1080I: 1920 *1080i@60/50Hz; 1600*1200@60; 1366*768@60 720P: 1280*720@60/ 50Hz 576P50,480P60, 1280*1024P60, 1280*800P60, 1027*768P60, 800*600P60 and so on. (Please contact us for other resolutions. CVBS: PAL/NTSC) |
| Decoding | H.264/H.265 |
| Decoding Capability | Up to 9-ch: 4K@30fps:1-ch; 1080P@60fps:4-ch; 720P@60fps:9-ch |
| Decoding Format | AAC/MP3/G711/MP2/AC3 |
| Stereo | Adjustable sound volume |
| LCD | Device name, IP address, resolution and working status |
| RJ45 | 1000m internet access |
| Protocol | HTTP, HTTPS, RTSP, RTMP, SRT, UDP/RTP, SRT |
| Interface | Web operation interface |
| Upgrade | Software upgrading through internet |
| Dimension (W x D x H) | 163 x 111 x 32mm |
| Weight | 0.35kg |
| Working Temperature | 0°C ~ 40°C |
| Storage Temperature | -20°C ~ 80°C |
| Power Adapter | 12v DC 1a |
| Power Dissipation | < 5w / 1 channel |

Note:

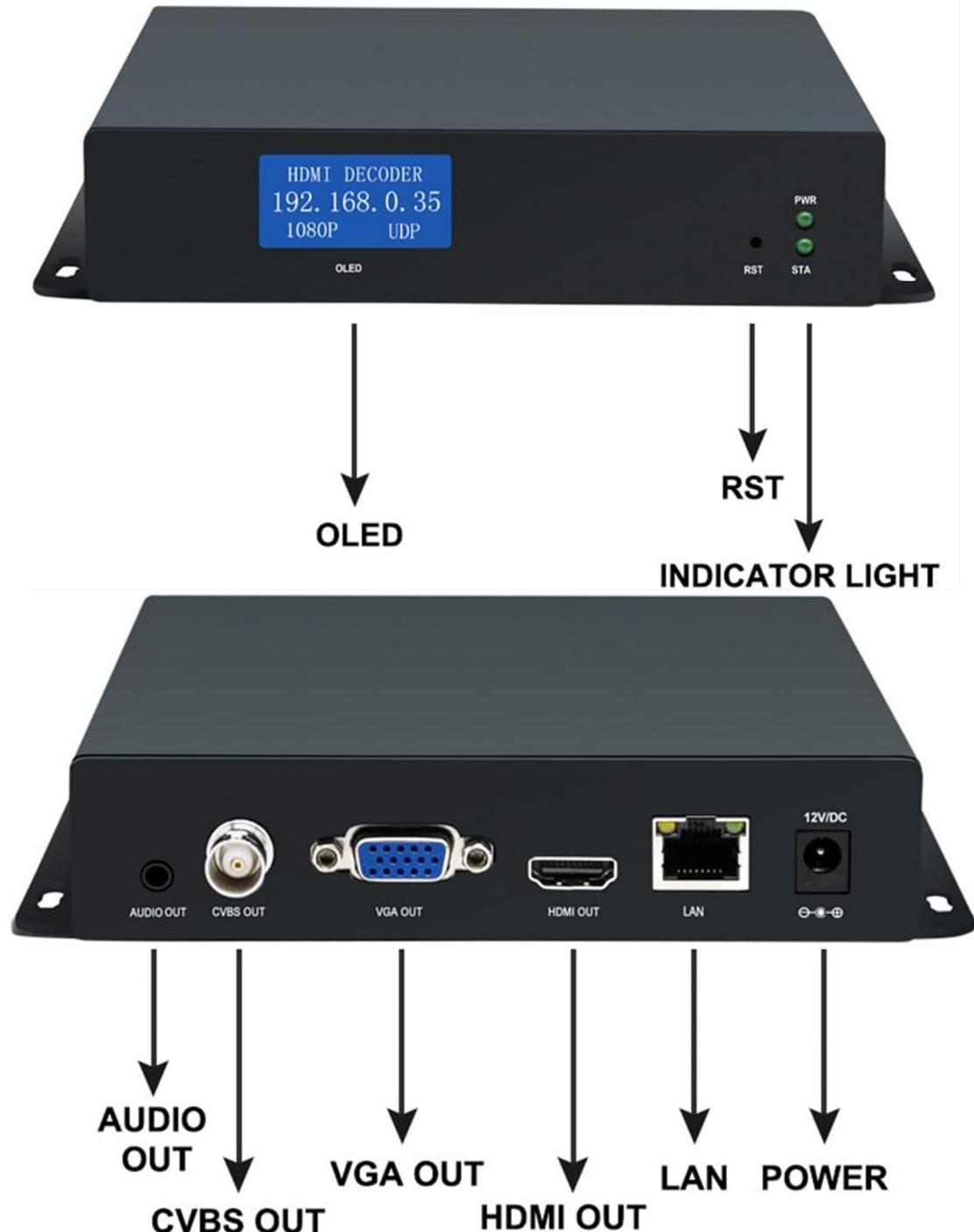
1. The HDMI,VGA,CVBS of the decoder does not support simultaneous output
2. When the input stream resolution is 4K, only 1 channel decoding streaming is supported, and the output resolution supports up to 4K@30hz
3. When the input stream resolution is 1080P, 4 channels decoding output streaming can be supported
4. When the input stream resolution is 720P, 9 channels decoding output can be supported.
5. CVBS interface only supports 1 channel decoding output and doesn't support 4 channels and 9 channels decoding output

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Operation Controls and Functions:



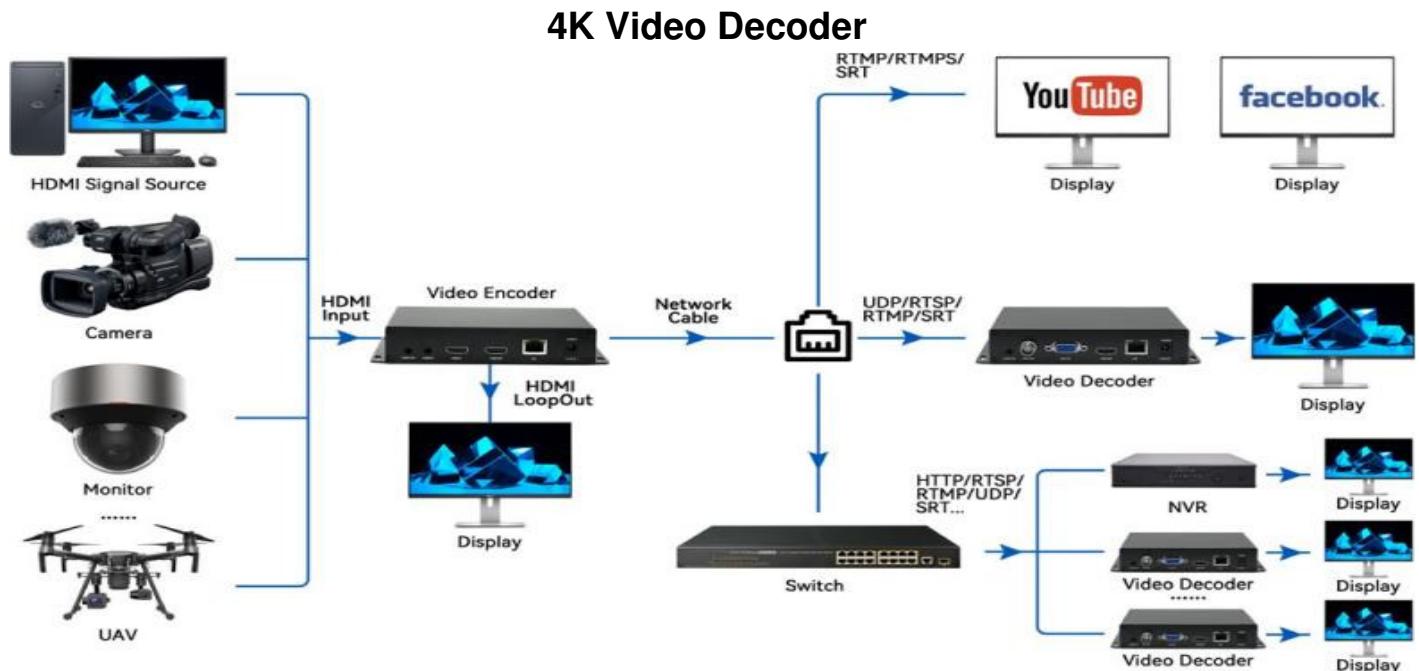
1. Default Login IP is 192.168.0.35
2. The default login account and password are both admin
3. To reset, press RST reset button on the device panel, for about 5~10 seconds, the device will restart to restore the factory default settings. The OLED display screen allows you to see if the encoder has been reset successfully

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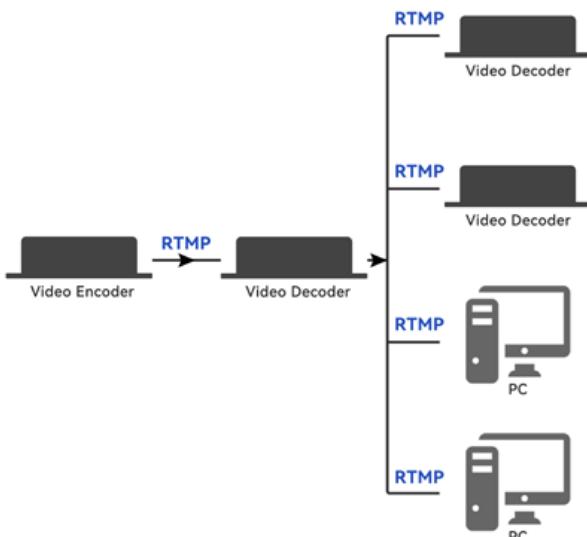


Application Diagram:

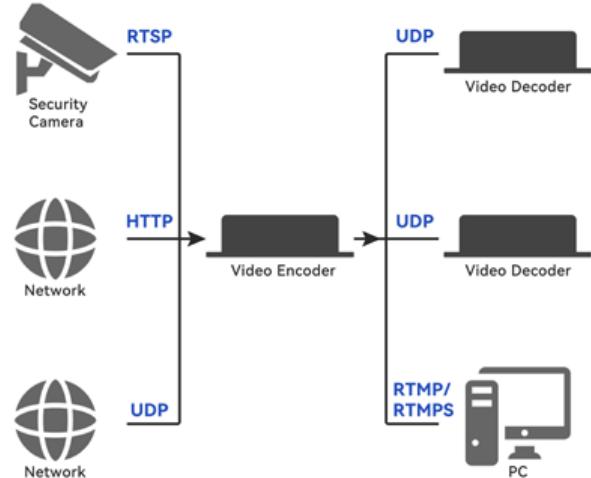


RTSP/HTTP/UDP/HTTPS/SRT/RTMP forward to RTMP/RTMPS/UDP/RTP

Embedded RTMP server



Protocol Conversion



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Package Includes:

- 1 x ATZ HDMI-DEC101
- 1 x Power adapter 12V
- 1 x User Manual

Warranty: 2 years

Warranty is effective from the date of original delivery.

This warranty shall be void if a serial number has been removed from the product.



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