

## ZIP-DEC09CH



### Key Features

- ★ Embedded Linux OS ensures 24/7 stable operation and prevents hackers and viruses.
- ★ HDMI video output interface.
- ★ 4 HDMI inputs.
- ★ Maximum decoding resolution of 12MP, up to 16\*1080P@30Hz decoding capability for each channel.
- ★ Up to 4K@30Hz output resolution, compatible with mainstream display devices in the industry.
- ★ Supports window opening, roaming and picture-in-picture. Up to 36 windows are allowed for each output channel.
- ★ Supports multicast.
- ★ Supports virtual LEDs.
- ★ Supports small pixel pitch LEDs.
- ★ Supports turning on/off video wall screens.
- ★ Supports standard H.265, H.264, MPEG4, image compression formats.
- ★ Supports decoding audio in G.711A and G.711U formats.
- ★ Self-developed decoding algorithm offers high decoding efficiency and clear images.
- ★ Allows to configure and manage the device on a central server.
- ★ Supports decoding SD and HD video.
- ★ Supports local and remote upgrade.
- ★ Supports decoding streams of other manufacturers through onvif protocol.

## Specifications

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                  | ZIP-DEC09CH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Input                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Input                  | 4-ch HDMI (video only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| HDMI input resolution  | <p>4K interface: 3840*2160(4K)@30Hz, 1920*1080(1080P)@60Hz, 1920*1080(1080P)@50Hz, 1920*1080(1080P)@30Hz, 1600*1200(UXGA)@60Hz, 1440*900(WXGA)@60Hz, 1280*1024(SXGA)@60Hz, 1280*720(720P)@60Hz, 1280*720(720P)@50Hz, 1024*768(XGA)@60Hz(4K interface: 1, 2)</p> <p>1080P interface: 1920*1080(1080P)@60Hz, 1920*1080(1080P)@50Hz, 1920*1080 (1080P) @30Hz, 1600*1200(UXGA)@60Hz, 1440*900(WXGA)@60Hz, 1280*1024(SXGA)@60Hz, 1280*720(720P)@60Hz, 1280*720(720P)@50Hz, 1024*768(XGA)@60Hz(1080P interface: 3, 4)</p> |
| Output                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Output                 | 9-ch HDMI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HDMI output resolution | <p>4K interface: 3840*2160(4K)@30Hz, 1920*1200(WUXGA)@60Hz, 1920*1080(1080P)@60Hz, 1600*1200(UXGA)@60Hz, 1440*900(WXGA+)@60Hz, 1280*1024(SXGA)@60Hz, 1280*720(720P)@60Hz, 1024*768(XGA)@60Hz(4K interface: 1, 2, 4, 5, 7, 8, 10, 11)</p> <p>1080P interface: 1920*1200(WUXGA)@60Hz, 1920*1080(1080P)@60Hz, 1600*1200(UXGA)@60Hz, 1440*900(WXGA+)@60Hz, 1280*1024(SXGA)@60Hz, 1280*720(720P)@60Hz, 1024*768(XGA)@60Hz(1080P interface: 3, 6, 9, 12)</p>                                                              |
| Decoding               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Decoding format        | H.265, H.264, MPEG4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                     |                                                                         |
|---------------------|-------------------------------------------------------------------------|
| Decoding capability | 12*12MP @20Hz<br>12*4K@30Hz<br>48*1080P@30Hz<br>108*720P@30Hz           |
| Splicing            | M*N (the number of windows cannot exceed the number of output channels) |
| Windows             | 36* number of output channels                                           |

## Interface

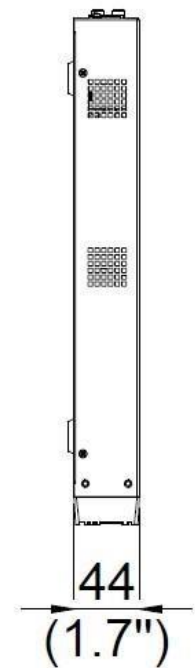
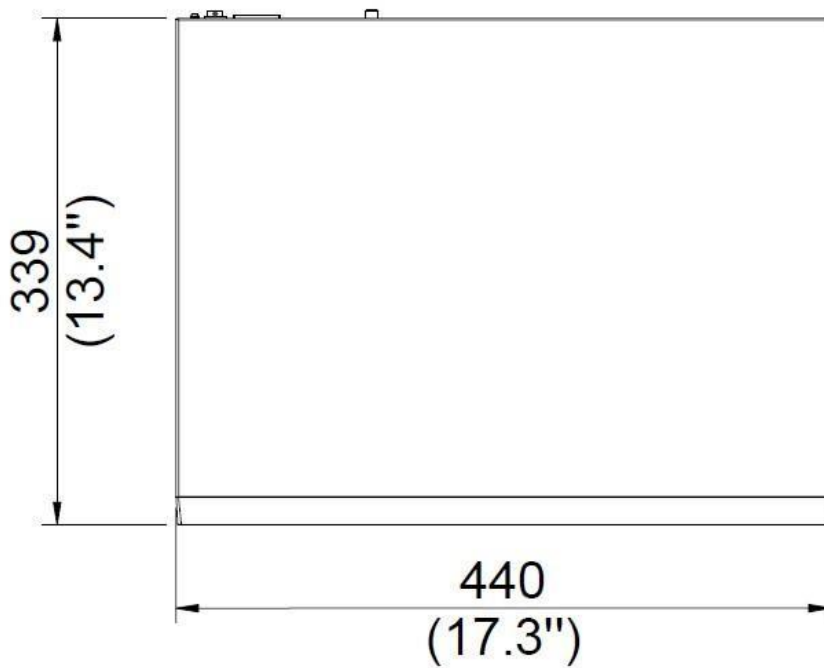
|              |                                                                                               |
|--------------|-----------------------------------------------------------------------------------------------|
| Audio input  | 1 * terminal audio input (reserved)<br>1 * 3.5mm audio input (reserved)                       |
| Audio output | 1 * terminal audio output (reserved)<br>1 * 3.5mm audio output, dual channel                  |
| Alarm input  | 4 * terminal alarm input (reserved)                                                           |
| Alarm output | 4 * terminal alarm output (reserved)                                                          |
| Serial port  | 1 * RS232, 1 * RS485                                                                          |
| Ethernet     | 2 * GE port, RJ45 interface, half-duplex/full-duplex Ethernet, 10M/100M/1000M Base-T adaptive |
| USB          | 2 * USB3.0                                                                                    |

## General

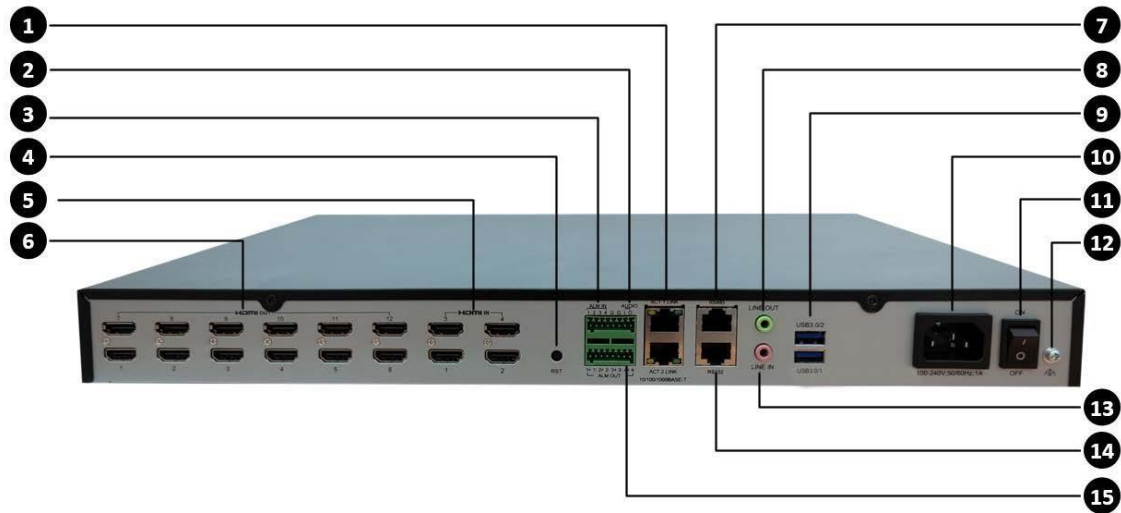
|                        |                |
|------------------------|----------------|
| Dimensions (W*H*D)(mm) | 440 * 44 * 339 |
|------------------------|----------------|

|                            |                               |
|----------------------------|-------------------------------|
| Weight (kg)                | 3.9                           |
| Max. power consumption (W) | 40                            |
| Power supply               | 100V to 240V AC; 50Hz/60Hz    |
| Operating temperature      | -10°C to 55°C                 |
| Operating humidity         | 10% to 90% RH, non-condensing |

## Dimensions



## Interfaces



| No. | Name         | Description                                                                                                |
|-----|--------------|------------------------------------------------------------------------------------------------------------|
| ①   | Ethernet     | GE port, RJ45 interface, half-duplex/full-duplex Ethernet, 10M/100M/1000M Base-T adaptive                  |
| ②   | AUDIO        | terminal, audio signal input/output (reserved)                                                             |
| ③   | ALM IN       | terminal, alarm signal input, Boolean input (reserved)                                                     |
| ④   | RST          | Reset key, press to restore the device to factory defaults                                                 |
| ⑤   | HDMI IN      | HDMI video signal input                                                                                    |
| ⑥   | HDMI OUT     | HDMI video signal output                                                                                   |
| ⑦   | RS485        | Serial port, used as RS232 Console or RS485 for device maintenance or controlling power distribution boxes |
| ⑧   | LINE OUT     | Coaxial 3.5mm audio output port                                                                            |
| ⑨   | USB 3.0      | Used to upgrade the device                                                                                 |
| ⑩   | Power input  | Power input interface                                                                                      |
| ⑪   | Power switch | Turn on/off the device                                                                                     |

|   |                    |                                                            |
|---|--------------------|------------------------------------------------------------|
| ⑫ | Grounding terminal | Grounding terminal                                         |
| ⑬ | LINE IN            | Coaxial 3.5mm audio input port (reserved)                  |
| ⑭ | RS232              | Serial port, mainly used to turn on/off video wall screens |
| ⑮ | ALM OUT            | terminal, alarm signal output, relay output (reserved)     |