

# 1-Channel High Definition Video Decoder

DC5601



## Features

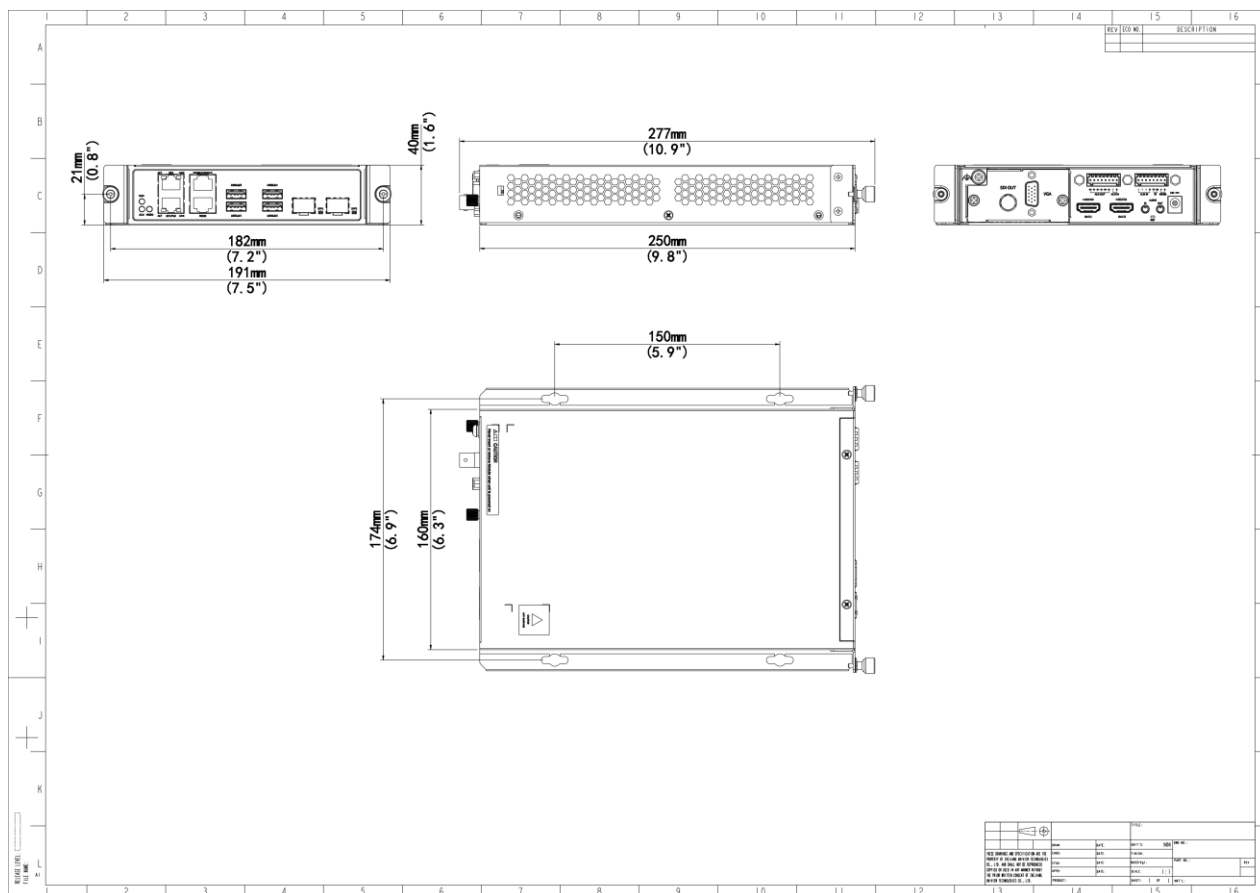
- Embedded Linux OS ensures 24/7 stable operation and prevents hackers and viruses.
- Dual HDMI simultaneous video output, maximum resolution of HDMI 1 is 8K
- Supports decoding 1-ch 8K@60, 2-ch 8K@30, 8-ch 12MP@20, 8-ch 4K@30, 32-ch 1080P@30, and 64-ch 720P@30 videos in parallel.
- Supports decoding video in H.265, H.264, MPEG4, and MJPEG formats.
- Supports decoding video in 8K, 12MP, 4K, 1080P, 720P, and D1 resolutions, compatible with IPC streams from mainstream manufacturers in the industry.
- Up to 8K (7680\*4320) @60Hz output resolution, compatible with mainstream display devices in the industry.
- Supports decoding audio in G711.A and G711.U formats.
- Supports up to 64 split screens for a single video output.
- Allows users to configure and manage the device on a central server, supports GB/T28181 and standard ONVIF.
- Supports synchronizing time with server by schedule.
- Supports high/low-temperature alarm.

## Specifications

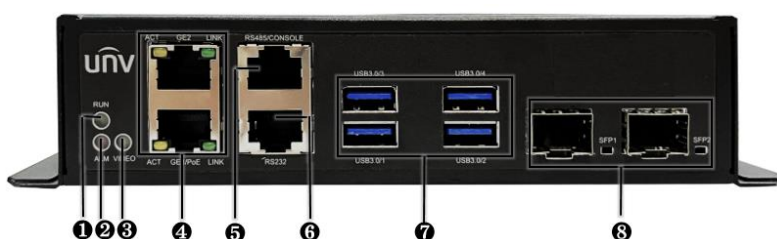
|                     |                                                                            |
|---------------------|----------------------------------------------------------------------------|
| Model               | DC5601                                                                     |
| Decoding            |                                                                            |
| Decoding Format     | H.265, H.264, MPEG4, MJPEG                                                 |
| Decoding Capability | 1-ch 7680 x 4320@60 Hz, 8-ch 4K@30 Hz, 32-ch 1080P@30 Hz, 64-ch 720P@30 Hz |
| Output              |                                                                            |

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Output Resolution             | <p>HDMI: 7680 x 4320@60 Hz, 7680 x 4320@30 Hz, 3840 x 2160@60 Hz、3840 x 2160@30 Hz, 1920 x 1200@60 Hz, 1920 x 1080@60 Hz, 1920 x 1080@50 Hz, 1660 x 1200@60 Hz, 1440 x 900@60Hz, 1366 x 768@60 Hz, 1280 x 1024@60 Hz, 1280 x 720@60 Hz, 1280 x 720@50 Hz, 1024 x 768@60 Hz</p> <p>VGA: 1920 x 1200@60 Hz, 1920 x 1080@60 Hz, 1920 x 1080@50 Hz, 1660 x 1200@60 Hz, 1440 x 900@60 Hz, 1366 x 768@60 Hz, 1280 x 1024@60 Hz, 1280 x 720@60 Hz, 1280 x 720@50 Hz, 1024 x 768/60 Hz</p> <p>SDI: 1920 x 1080@60 Hz, 1920 x 1080@50 Hz, 1280 x 720@60 Hz, 1280 x 720@50 Hz</p> |
| Input Interface                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Audio Input                         | 1 x Audio input interface (reserved)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alarm Input                         | 4 x Phoenix terminal (reserved)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Output Interface                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Audio Output                        | 1 x Audio output interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Alarm Output                        | 3 x Phoenix terminal (reserved)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Video Output                        | 2 x HDMI video output interface, 1 x VGA, SDI video output interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Other Interfaces                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Serial Port                         | 2 x RS485 (1 RJ45 RS232 Console and RS485, 1 reserved Phoenix terminal), 1 x RS232 (RJ45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Network Interface                   | 2 x GE Ethernet electrical port (RJ45 connector, half-duplex/full-duplex Ethernet, supports 10M/100M/1000M Base-T adaptive)                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SFP                                 | 2 x Gigabit optical port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| USB                                 | 4 x USB 3.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Screen Control                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Split Screen                        | Up to 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| General                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power Supply                        | 12 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Max Power Consumption (W)           | <20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Dimensions (W × H × D) (mm) | 277 x 40 x 191                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Weight (kg)                         | <1.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Operating Temperature               | -10 °C ~ 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Operating Humidity                  | 5% ~ 95% (No-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Dimensions



## Interface

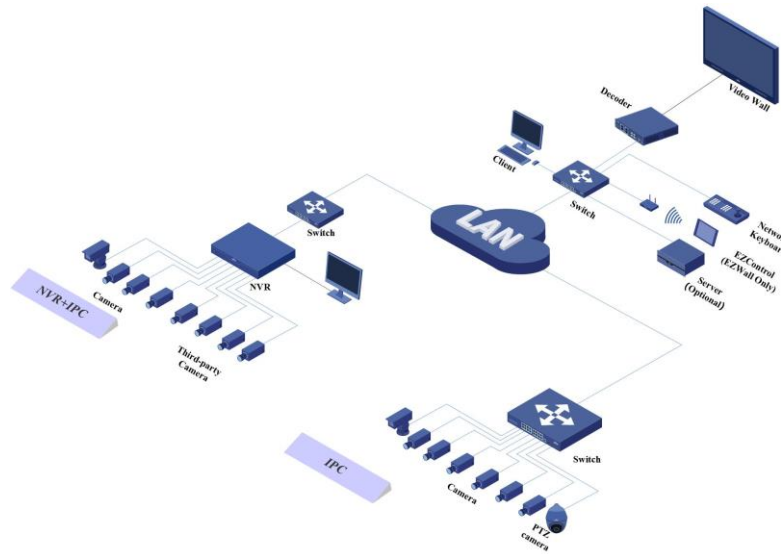


| No. | Name            | Description                                                                                                   |
|-----|-----------------|---------------------------------------------------------------------------------------------------------------|
| 1   | RUN indicator   | Running indicator: green<br>Steady on for power-on and normal operation,blinking for startup,off for shutdown |
| 2   | ALM indicator   | Device status indicator: red<br>Steady on for alarms, off for no alarm                                        |
| 3   | VIDEO indicator | Video encoding status<br>·Steady green: Connected to video device<br>·Off: No video device connected          |
| 4   | Network port    | 10M/100M/1000Mbps adaptive Ethernet electrical port                                                           |
| 5   | RS485           | RS485 serial port                                                                                             |
| 6   | RS232           | RS232 serial port                                                                                             |
| 7   | USB             | 4*USB3.0                                                                                                      |
| 8   | SFP             | 2*Gigabit optical port                                                                                        |



| No. | Name             | Description                                                                                                   |
|-----|------------------|---------------------------------------------------------------------------------------------------------------|
| 1   | Grounding        | Grounding terminal                                                                                            |
| 2   | SDI              | SDI OUT interface                                                                                             |
| 3   | VGA              | VGA video interface                                                                                           |
| 4   | Phoenix terminal | Alarm input/remote switch on/off interface/alarm output (reserved)                                            |
| 5   | HDMI output      | 2*HDMI homologous output ports                                                                                |
| 6   | Audio input      | 3.5mm audio input interface (reserved)                                                                        |
| 7   | RST button       | Press to reset the device, press and hold for more than 5s to restore factory defaults and restart the device |
| 8   | Audio output     | 3.5mm audio output interface                                                                                  |
| 9   | Power interface  | 12V DC power interface                                                                                        |
| 10  | Phoenix terminal | RS485/IR/alarm input(reserved)                                                                                |

## Typical Application



## Ordering Information for Optional Accessories

| Model        | Remarks                         |
|--------------|---------------------------------|
| VS-ECDC      | 1U EC/DC holder                 |
| HB-DSM30-MFS | Power supply box (single power) |
| HB-DSM30-MFD | Power supply box (double power) |

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