DP-DE2108

Architectural and Engineering Specifications

Version 1.0

(June. 30, 2023)

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# Manufacturer

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# General

## Product Description

DP-DE2108 is a 8 channles video encoder designed and manufactured by IDIS. The video encoder is powered by PoE and provides video compression with H.265/H.264 and video transmission over Ethernet connections. This is compatible with cameras that support HD-TVI, AHD and CVBS, and it also up to 5MP(2560 x 1920) resolution. PTZ can be controlled using UTC Protocol.

## General Specification

1. The switch shall support up to 5MP(2560x1920) analogue camera
2. The switch shall support PTZ Control with UTC Protocol.
3. The switch shall support 4 x Audio input ports
4. The switch shall support Quadruple stream.
5. The switch shall support 8 x multi Statndard analog camera input ports.
6. The switch shall support IDIS DirectIP 2.0 NVRs and IDIS Solution Suite(VMS).

# Technical Specification

## Hardware specifications

1. Analog camera input port : 8
2. Audio In : 4
3. Ethernet port : 1 (RJ-45)
4. 12VDC port : 1

## Video specification

1. Video Inputs : 8 BNC
2. Supported Camera :

A. HD-TVI : 5MP, 4MP, 3MP, 1080P, 720P

B. AHD : 5MP, 4MP, 3MP, 1080P, 720P

C. CVBS : NTSC / PAL

## Network Specifications

1. Video Compression : H.265, H.264
2. IP Camera Protocol : DirectIP 2.0
3. Max.Frame Rate : 240ips@1080P, 144ips@3MP, 120ips@4MP, 80ips@5MP
4. Multi-video Streaming : Quadruple Streaming
5. Ethernet : RJ-45 Connector(10/100/1000BASE-T)

## Alarm and Audio

1. Trigger Event : Motion Detection, Tampering, Trip Zone, Video Loss
2. Audio In / Out : 4 / -

## Environmental Specifications

1. Operating Temperature: 0°C to 40°C (32℉ ~ 104℉)
2. Operating Humidity: 0 ~ 90%

## Electrical Specifications

1. Power Consumption: 12V=, 0.8A, 10W, PoE, IEEE 802.3af(Class 3), 10W
2. Power Input: 12VDC, PoE
   1. Regulatory Approvals: FCC, CE, KC

## Mechanical Specifications

1. Unit Dimensions (W x H x D): 200mm x 44mm x 165.2mm (7.9" x 1.7" x 6.5")
2. Unit Weight: 0.81kg (1.79lb)

# Version History

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| --- | --- | --- | --- |
| **Version** | **Writer** | **Revision Date** | **Remarks** |
| 1.0 | TS Team | July, 30, 2023 | Initial Release |