



TECHNICAL SPECIFICATIONS

SPECIFICATION

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|------------------------------------|---|
| Sensor | 1/2.8-inch-high quality HD CMOS sensor |
| Effective Pixels | 16: 9, 2.07 megapixel |
| Video Format | <p>HDMI/SDI video format 1080P60/50/30/25, 1080I60/50, 720P60/50</p> <p>USB3.0 interface video format:</p> <p>Main Stream: YUY2/MJPEG/NV12/H.264/H.265: 1920X1080P30, 1280X720P30, 1024X576P30, 960X540P30, 800X448P30, 720X480P30, 640X360P30, 640X480P30, 320X176P30</p> <p>Sub Stream: YUY2/NV12: 640X360P30, 640X480P30, 320X176P30 MJPEG/H.264/H.265: 1920X1080P30, 1280X720P30, 1024X576P30, 960X540P30, 800X448P30, 720X480P30, 640X360P30, 640X480P30, 320X176P30</p> |
| Optical Zoom | 12X f=3.9-46.8mm |
| View Angle | 72.5°(W) 6.3°(T) |
| AV | F1.8 - F2.4 |
| Digital Zoom | 10X |
| Minimum Illumination | 0.5Lux (F1.8, AGC ON) |
| DNR | 2D & 3D DNR |
| White Balance | Auto/Manual/One Push/Specify color temperature (range: 2400k-7100k) |
| Focus | Auto/Manual/One Push Focus |
| Aperture/Electronic Shutter | Auto/Manual/One Push Focus |
| Electronic Shutter | Auto/Manual/One Push Focus |
| Iris | Auto/Manual |
| Shutter | Auto/Manual |
| BLC | ON/OFF |
| WDR | OFF/ Dynamic level adjustment |



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|-------------------------|---|
| Video Adjustment | Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve |
| SNR | >50dB |

INPUT/OUTPUT INTERFACE

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|---------------------------------|--|
| Video Interfaces | HDMI, SDI, LAN (POE), USB3.0 (type B compatible with USB2.0), RS232-IN, RS232-OUT, RS422 (compatible with RS485), A-IN, Rotary DIP switch, DC 12V port, Power Switch |
| Video output | HDMI, SDI, LAN, USB3.0 |
| Video Stream | Dual stream output for primary and secondary streams |
| Video Compression Format | LAN Interface: H.265, H.264, Dual stream output USB3.0 Interface: YUY2, MJPEG, H.264, NV12, H.265 |
| Audio Input Interface | Stereo unbalanced 3.5mm input |
| Audio Output Interface | HDMI, SDI, LAN, USB3.0 |
| Audio Compression Format | AAC/MP3/G.711A |
| Control Interface | RS232-IN, RS232-OUT, RS422 (compatible with RS485) |
| Control Protocol | VISCA/Pelco-D/Pelco-P, Baud Rate: 115200/38400/9600/4800/2400bps |
| Power Interface | HEC3800 outlet (DC12V) |
| Input Voltage | DC12V±10% |
| Input Electric Current | Maximum: 1A |
| Power Consumption | Maximum: 12W |
| Network Protocols | RTSP, RTMP, ONVIF, GB/T28181; Network VISCA control protocol; Support remote upgrade, reboot and reset |
| USB Communication | UVC (Video), UAC (Audio) |

PTZ PARAMETER

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|---------------------------|---|
| Pan/Tilt Rotation | ±170°, -30°~+90° |
| Pan Control Speed | 0.1 -100°/sec |
| Tilt Control Speed | 0.1-45°/sec |
| Preset Speed | Pan: 100°/sec, Tilt: 45°/sec |
| Preset Number | 255 presets (10 presets by remote controller) |

OTHER PARAMETER

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|----------------------------|-------------------|
| Stored Temperature | -10°C~+70°C |
| Storage Humidity | 20%~95% |
| Working Temperature | -10°C~+50°C |
| Working Humidity | 20%-80% |
| Dimension | 181mmX115mmX149mm |
| Weight | 1.15KG |

ACCESSORY

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|-----------------------------|--|
| Package | Power Supply, RS232 Control Cable, USB3.0 cable (U3 model), IR Remote Control, User Manual |
| Optional Accessories | Ceiling / Wall Mount (Extra Cost) |