



TECHNICAL SPECIFICATIONS

SPECIFICATION

Sensor	1/2.8 inch SONY CMOS sensor
Effective Pixels	8.51M megapixel 16:9
Video Format	HDMI video format 4KP60, 4KP50, 4KP30, 4KP25, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P25, 720P60, 720P50 USB3.0 interface video format YUY2/NV12: 1920X1080P30, 1280X720P30, 960X540P30, 640X360P30, 640X480P30, 320X176P30 MJPEG/ H.264/ H.265: 3840X2160P30, 1920X1080P30, 1280X720P30, 1024X576P30, 960X540P30, 800X448P30, 640X360P30, 640X480P30, 320X176P30 USB3.0 is compatible with USB2.0 video format YUY2/NV12: 640X360P30, 640X480P30, 320X176P30 MJPEG/ H.264/ H.265: 3840X2160P30, 1920X1080P30, 1280X720P30, 1024X576P30, 960X540P30, 800X448P30, 640X360P30, 640X480P30, 320X176P30
Optical Zoom	12X
View Angle	Parallel: 6.55°(N)~69.4°(W) Vertical: 3.66°(N)~42.8°(W)
AV	F1.6 ~ F2.8±5%
Minimum Illumination	0.05Lux (F1.8, AGC ON)
DNR	2D&3D DNR
White Balance	Auto / Manual/ One Push/ Specify color temperature
Focus	Auto/ Manual/ One Push Focus
Exposure Mode	Auto/ Manual/ Shutter priority/ Aperture priority/ Brightness priority
Aperture	F1.8 ~ F11 CLOSE
Shutter Speed	1/25~1/10000
BLC	ON/ OFF
WDR	OFF/ Dynamic level adjustment



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

INPUT/OUTPUT INTERFACE

Video Interfaces	HDMI, USB3.0(Type B compatible with USB2.0, LAN (POE), A-IN, RS232-IN, RS232-OUT, RS422(compatible with RS485, Rotary DIP switch, DC12V Power Supply, Power Switch
Video Compression Format	LAN Interface: H.265, H.264 USB 3.0 Interface: YUY2, MJPEG, H.264, H265, NV12
Audio Input Interface	Double track 3.5mm linear input
Audio Output Interface	HDMI, LAN, USB3.0
Audio Compression Format	AAC, MP3, G.711A
Network Interface	10M/ 100M/ 1000M Adaptive Ethernet port, support POE power supply, support audio and video output
Network Protocols	RTSP, RTMP, ONVIF, Network VISCA control protocol; Support remote upgrade, reboot and reset
Control Interface	RS232-IN, RS232-OUT, RS422 compatible with RS485
Serial Communication Protocol	VISCA/ Pelco-D/ Pelco-P Baud Rate: 115200/ 38400/ 9600/ 4800/ 2400
USB Communication Protocol	UVC (Video), UAC (Audio)
Power Interface	HEC3800 outlet (DC12V)
Supply Adapter	AC110V-AC220V to DC12V/2.5A
Input Voltage	DC12V±10%
Input Current	<1A
Power Consumption	<12W

PTZ PARAMETER

Pan Rotation	-170°~+170°
Tilt Rotation	-30°~+90°
Pan Control Speed	0.1°/s~100°/s
Tilt Control Speed	0.1°/s~45°/s
Preset Speed	Pan: 100°/s, Tilt: 45°/s
Preset Number	255 presets (10 presets via remote control)

OTHER PARAMETER

Stored Temperature	-10°C~+60°C
Storage Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%
Dimension	181mmX115mmX149mm
Weight	1.15KG
Application	Indoor

ACCESSORY

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

JOSAWA 7 YEAR WARRANTY