

**TECHNICAL SPECIFICATIONS****SPECIFICATION**

Image Sensor	1/2.8inch high-quality CMOS sensor
Effective Pixels	2,070,000 16: 9
Video Signal	11080P60/50/30/25/59.94/29.971080I60/50/59.9472 OP60/50/30/25 /59.94/29.97 1920X1080P60/50/30/25;1280X720P60/50/30/25; 960X540P30;640X360P30;640X480P30; 352X288P30;960X540P30;
Lens Optics Zoom	12X Optical Zoom f= 3.9-46.1mm
Visual Angle	6.3° (Narrow angle) ~ 72.5° (Wide angle)
Aperture Coefficient	F1.8 - F2.4
Digital Zoom	10X
Minimum Illumination	0.5Lux (F1.8, AGC ON)
DNR	2D & 3D Digit Noise Reduction
White Balance	Manual/auto/one-key white balance /3000K/ 4000K/5000K/6500K
Focus	Auto/ Manual
Aperture	Auto / Manual
Electronic Shutter	Auto / Manual
BLC	ON/OFF
WDR	OFF/ Dynamic Grade Adjustment
Video Regulation	Brightness, hue, saturation, contrast ratio, sharpness, Gamma
SNR	>55dB



PANORAMIC LENS

Image Sensor	1/2.8inch high-quality CMOS sensor
Effective Pixels	2,100,000
Lens	Manual focus
Output Port	HDMI, USB3.0, LAN
Field Angle (D/H/V)	112°/82°/57.6°

INPUT/OUTPUT PORT AND SUPPORT PROTOCOL

Ports	HDMI (support video and audio output), USB3.0, LAN, 2-channel 3.5mm linear audio input, RS232 (input)
Network port	100M internet access (10/100BASE-TX), support network VISCA control protocol
Network protocol	RTSP, RTMP, ONVIF, GB/T28181
Compression Image Code Stream	Dual-stream output
Video Compression Format	H.265, H.264
Control Signal Port	RS-232/485
Control Protocol	VISCA/Pleco-D/Pelco-P; Baud rate: 115,200/9,600/4,800/2,400bps
Audio Input Port	Dual track 3.5mm linear input
Audio Compression Format	AAC, MP3, PCM
Power Port	HEC3800 power socket (DC12V)

PAN/TILT PARAMETERS

Horizontal Rotation	-170°~+170°
Vertical Rotation	-30°~+90°
Horizontal Control Speed	0.1 ~100°/s
Vertical Control Speed	0.1~45°/s
Preset Speed	Horizontal: 100°/s, vertical:45°/s
Preset Quantity	User can set 255 presets at most

OTHER PARAMETERS

Power Adapter	Input AC110V-AC220V output DC12V/2.5A
Input Voltage	DC12V±10%
Input Current	1.5A (maximum)
Power Consumption	18W (maximum)
Storage Temperature	-10°C~+60°C
Storage Humidity	20%~95%
Operating Temperature	-10°C~+50°C
Operating Humidity	20%~80%
Dimension (WxHxD)	254mm X 144mm X 174mm





Weight (approx.)	1.50kg
Operating Environment	Indoor
Remote Maintenance (network port)	Remote upgrade, restart and reset
Standard Accessories	12V/2.5A power, RS232 control line, remote control, operation manual, warranty card
Optional Accessories	Installation support

