

Technical Specification

Figure1-1 Camera Lens Parameters

Camera Lens Parameters	
Image Sensor	1/2.8 inch high quality CMOS sensor
Effective Pixel	8.42M, 16:9
Video Signal	Webstreaming: Close-up H264/H265:3840*2160/2592*1944/2304*1296/1920*1080/1280*720 @30/25/20/15/10/5fps; Panorama H264/H265:1920*1080/1280*720@30/25/20/15/10/5fps; USB: Close-up YUY2/NV12: 1920*1080/1280*720/1024*576/800*600/800*448/640*480/640*360/ 480*270/320*180P30/25/20/15/10/5 H264/H265/MJPG: 3840*2160/1920*1080/1600*896/1280*720/1024*576/960*540/800*
	600/800*448/720*576/720*480/640*480/640*360/480*270/352*288/ 320*240@30/25/20/15/10/5fpsPanorama YUY2/NV12: 1920*1080/1280*720/1024*576/800*600/800*448/640*480/640*360/ 480*270/320*180P30/25/20/15/10/5H264/H265/MJPG: 1920*1080/1600*896/1280*720/1024*576/960*540/800*600/800*44 8/720*576/720*480/640*480/640*360/480*270/352*288/320*240@3 0/25/20/15/10/5fps HDMI: Close-up 3840*2160/1920*1080P30/29.97/25; 720P60/59.94/50 Panorama 1920*1080P30/29.97/25; 720P60/59.94/50 SDI: Close-up/ Panorama 1920*1080P30/29.97/25; 1920*1080I30/29.97/25; 1280*720P60/59.94/ 50
Close-up Lens	12X
Viewing Angle	H:8° (N) ~80° (W)
Iris Value	F1.8 ~ F2.68
Digital Zoom	10 X
Minimum Illumination	0.5Lux(F1.8, AGC ON)
DNR	2D & 3D
White Balance	Auto/Manual/One-Key White Balance/Specified Color Temperature
Focus Mode	Auto/Manual/One-Click Focus
Exposure Mode	Auto, Manual, Shutter Priority, Aperture Priority, Brightness Priority
Iris	Auto/Manual
Shutter Speed	1/25~1/10000
BLC	On/Off
Dynamic Range	Off, 1 ~ 8
Video Adjustment	Brightness, Chroma, Saturation, Contrast, Sharpness, GammaCurve
SNR	>50dB
Panoramic Camera	
Image Sensor	1/2.8 inch high quality CMOS sensor
Effective Pixel	842M, 16:9
Lens Parameters	Fixed focal length lens, horizontal field of view: 110°, aperture:F=2.2, focal length: f=2.03mm, Lens angle of view can be adjusted by ±15°

Figure 1-2 Interface Functions and Performance Parameters

Interface	
Back Panel	HDMI, SDI, LAN(Support POE+), USB3.0, LINE-IN, RS485/RS232
Video Output	HDMI, SDI, LAN, USB3.0
Video Compression Format	LAN Support: H.264, H.265 USB 3.0: YUY2, NV12
Audio Input	Dual 3.5mm linear inputs
Audio Output	HDMI, SDI, LAN, USB3.0
Audio Compression Format	AAC
LAN Port	10M/100M/1000M adaptive Ethernet port, support POE+ powersupply, support audio and video outputs
Network Protocols	RTSP, RTMP, ONVIF, GB/T28181, VISCA OVER IP, IP VISCA, RTMPS, SRT, support remote upgrade, remote reboot, remote reset
Control Interface	RS232, RS485, LAN
Control Protocols	VISCA/Pelco-D/Pelco-P;Baud rate support 115200/38400/9600/4800/2400
USB Communication Protocols	UVC (video communication protocol), UAC (audio communication protocol)
Power Supply	HEC3800 Power Socket (DC12V)
Power Adapter	Input AC110V~AC220V; Output DC12V/2.5A
Input Voltage	DC12V±10%
Input Current	2A (MAX)
Power Consumption	24W (MAX)
Dimension	219mm*136.6mm*155.4mm

Figure1-3 PTZ Parameters

PTZ	
Pan	-170°~+170°
Tilt	-30°~+90°
Pan Speed	0.1 ~60°/s
Tilt Speed	0.1~45°/s
Preset Speed	Horizontal: 60°/s, Tilt: 45°/s
Preset Quantity	Up to 255 user programmable presets (10 for remote control)

Figure1-4 Other Parameters

Others	
Storage Temperature	
Storage Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%
Weight(Approx.)	1.58kg
Environment	Indoors

Dimension

