



► Feature:

1. Full HD image: Adopting 1/2.9-inch 2.07 million pixel high-quality image sensor, the maximum resolution can reach 1920×1080, and the output frame rate is up to 30 frames/second, presenting clear and realistic HD video, vividly showing the expressions and movements of people
2. Optical zoom lens: With 10x optical zoom lens selection
3. Leading autofocus technology: The use of advanced focusing algorithm enables the lens to complete autofocus quickly, accurately and stably
4. Low noise and high signal-to-noise ratio: Low noise CMOS effectively guarantees the ultra-high signal-to-noise ratio of the camera video. The use of advanced 2D and 3D noise reduction technology further reduces the noise while ensuring image clarity
5. Control interface: RS485, RS232; RS232 supports cascading, which is convenient for engineering installation and use
6. Multiple control protocols: support VISCA, PELCO-D, PELCO-P protocols, support automatic identification protocols
7. Super silent PTZ: adopts high-precision stepper motor and precision motor drive controller to ensure smooth and noise-free operation of the PTZ
8. Multiple preset positions: support up to 255 preset positions (the remote control is set to call 10.
9. Multiple application places: conference, education, medical, government affairs, cloud video, collaborative office, multimedia integration, emergency command, broadcasting, justice, public security, military and other system applications

► Specification:

Image sensor	1/2.9-inch high-quality CMOS sensor
Effective pixels	2.07 million, 16:9
Electronic zoom	10X
Viewing angle	8.8° ~ 66°
Focal length	f=4.34mm ~ 43.4mm
Aperture	F1.85 – F2.43
Optical zoom	10X
Minimum illumination	0.5Lux (F1.8, AGC ON)
Digital noise reduction	2D & 3D digital noise reduction
White balance	automatic/manual/one-key white balance/specified color temperature (2400K ~ 7100K)
Focus	automatic/manual/one-key focus
Exposure	automatic/manual

Backlight compensation	on/off
Video adjustment	brightness, chroma, saturation, contrast, sharpness, black and white mode, gamma curve
Signal-to-noise ratio	>50dB
Video signal	H264/MJPEG: 1920*1080P@30/25/20/15/10/5fps; 1280*720P@30/25/20/15/10/5fps; 960*540@30/25/20/15/10/5fps; 800*600@30/25/20/15/10/5fps; 720*576@30/25/20/15/10/5fps; 720*480@30/25/20/15/10/5fps; 640*480@30/25/20/15/10/5fps; 640*360@30/25/20/15/10/5fps; 352*288@30/25/20/15/10/5fps; 320*240@30/25/20/15/10/5fps; YUY2:1920*1080P@5fps; 1280*720@10/5fps; 1024*576@15/10/5fps; 800*600@20/15/10/5fps; 800*448@25/20/15/10/5fps; 640*480@30/25/20/15/10/5fps; 640*360@30/25/20/15/10/5fps; 480*270@30/25/20/15/10/5fps; 320*180@30/25/20/15/10/5fps; NV12:1280*720@10/5fps; 1024*576@15/10/5fps; 800*600@20/15/10/5fps; 800*448@25/20/15/10/5fps; 640*480@30/25/20/15/10/5fps; 640*360@30/25/20/15/10/5fps; 480*270@30/25/20/15/10/5fps; 320*180@30/25/20/15/10/5fps
Interface function performance	
Video output interface	1-way USB2.0 Interface: Type A port
Control interface	RS232 (loop-through), RS485
Control protocol	VISCA/Pelco-D/Pelco-P
Power interface	HEC3800 power socket (DC12V)
USB features	
Supported operating systems	Windows 7, Windows 8, Windows 10, Mac osx, Linux and other operating systems
Video compression format	YUY2/NV12/MJPEG/H.264
USB communication protocol	UVC
PTZ parameters	
Horizontal rotation	-170° ~ +170°
Pitch rotation	-30° ~ +30°
Horizontal control speed	0.1 ~ 60°/sec
Tilt control speed	0.1 ~ 40°/sec
Preset speed	horizontal: 48°/sec, pitch: 38°/sec
Number of presets	Users can set up to 255 presets (10 for remote control)
Other parameters	
Working voltage	12V
Working current	0.42A(max)
Power consumption	5W(max)
Storage temperature	-40°C ~ +70°C
Storage humidity	20% ~ 90%
Working temperature	-10°C ~ +50°C
Working humidity	20% ~ 80%
Dimensions	156.8mm×112.6mm×139.5mm (width×height×depth)
Weight	about 1kg
Use environment	indoor