

Image Sensor	1/2.8" Progressive Scan CMOS
Effective Pixel	1920(H)x1080(V)
White Balance	Auto/Manual/ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
AGC	Auto/Manual
S/N Ratio	≥ 52dB
Digital Noise Ratio	3D DNR
Backlight compensation	HLC / BLC
WDR	Digital WDR
Day/Night	IR Cut Filter
Digital Zoom	16X
Privacy Masking	2 privacy masks programmable
Focus mode	Auto / Semiautomatic / Manual
Auto Focus	N/A
Enhancement	N/A
Focal length	2.8 ~ 12mm, 4X
Zoom speed	Approx.1s (Optical Wide-Tele)
Angle of view	115-33.8 degree (Wide-Tele)
Minimum Working Distance	10 ~ 1500mm(Wide-Tele)
Aperture Range	F1.6 ~ F3.5
Smart-tracking	N/A
Pan/Tilt range	Pan: 360° endless; Tilt: -2° ~ 90°(Auto Flip
Pan/Tilt speed	Pan manual speed: 0.1° ~ 160°/s, Pan preset speed: 160°/s Tilt manual speed: 0.1° ~ 120°/s, Tilt preset speed: 120°/s
Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of Preset	256
Pattern	N/A
Power of Memory	Support
Power loss recovery	N/A
Park Action	Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan
PTZ Position Display	Support
Freeze Frame	Support
Scheduled Task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output
Smart IR	N/A
IR distance	N/A
IR intensity	N/A
Alarm Input	N/A
Alarm Output	N/A
Alarm Trigger	N/A

Alarm Action	N/A
Video Output	1.0V[p-p] / 75Ω, PAL or NTSC composite, BNC
Audio Input	1 Mic in/Line in interface, Line input: 2 ~ 2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio Output	1 Audio output interface, Line level, impedance: 600Ω
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Max.Image Resolution	1920×1080
Frame rate	50Hz: 25 fps (1920×1080), 25 fps (1280×720); 60Hz: 30 fps (1920×1080), 30 fps (1280×720)
Image Compression	H.264/MJPEG
SVC	N/A
ROI encoding	N/A
Audio Compression	G.711u /G.711a /G.726 /MP2L2
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP,IGMP, ICMP, DHCP, PPPoE
Simultaneous Live view	Up to 6
Streams	Dual streams
Mini SD Card	Built-in micro SD card slot, up to 32GB
User/Host Level	Up to 32 users, 3 Levels: Administrator, Operator, User
Security Measures	User authentication (ID and PW), Host authentication (MAC address), IP address filtering
Application Programming	Open-ended API, support Onvif, PSIA and CGI
Web Browser	IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+
RS-485 Protocols	N/A
Power	-AE: 24VAC/PoE+(802.3at), Max18W; -AE3: 24VAC/PoE(802.3af), Max 12W
Working Temperature	-AE: -30°C ~ 65°C (-22°F ~ 149°F) ; -AE3: -10°C ~ 50°C (14°F ~ 122°F)
Humidity	90% or less
Protection Level	IP66 (outdoor model) TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions	Φ179.4×239.5mm (Φ7.06"×9.43")(outdoor) Φ165×179.5mm(Φ6.50"×7.07") (ceiling) Φ165×168mm(Φ6.50"×6.61") (In-ceiling)

Weight(approx)	Approx. 2Kg (4.41lbs)
Mount Option	Long-arm wall mount: DS-1601ZJ; Corner mount: DS-1601ZJ-corner; Pole Mount: DS-1601ZJ-pole; Power box mount:DS-1634ZJ