

Image Sensor	1/2.8" Progressive Scan CMOS
Effective Pixel	1920(H) ×1080(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	Supports
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	4.7 - 94mm, 20x,
Zoom speed	Approx. 3s (Optical Wide-Tele)
Angle of view	58.3 ° - 3.2 ° (Wide-Tele)
Minimum Working Distance	10~1,000mm(Wide~Tele)
Aperture Range	F1.6 ~ F3.5
Smart-tracking	N/A
Pan/Tilt range	360° endless
Pan/Tilt speed	Pan Manual Speed: 0.1° -160°/s, Pan Preset Speed: 160°/s
Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of Preset	300
Pattern	N/A
Power of Memory	Support
Power loss recovery	N/A
Park Action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
PTZ Position Display	ON/OFF
Freeze Frame	Support
Scheduled Task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action
Smart IR	N/A
IR distance	N/A
IR intensity	N/A
Alarm Input	1 (0-5v DC)
Alarm Output	1 relay output, alarm response actions configurable

Alarm Trigger	Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm Action	Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage
Video Output	N/A
Audio Input	1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1K Ω , \pm 10%
Audio Output	1 output, Line level, impedance: 600 Ω
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Max.Image Resolution	1920 \times 1080
Frame rate	N/A
Image Compression	H.264/MJPEG
SVC	Support
ROI encoding	Support 2 areas with adjustable levels
Audio Compression	G.711 / G.722 / G.726 / MP2L2
Protocols	IPv4/ IPv6, TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP/SNMP, FTP, 802.1X, QoS, HTTPS
Simultaneous Live view	Up to 20 users
Streams	Dual streams
Mini SD Card	Built-in Micro SD card slot, up to
User/Host Level	Up to 32 users, 3 Levels: Administrator, Operator and 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 Support ezviz cloud P2P
Web Browser	IE7+, Chrome18+, Firefox5.0+, Safari5.02+, support multi-language
RS-485 Protocols	N/A
Power	AE: 24VAC/PoE+(802.3at); -AE3: 24VAC/PoE(802.3af) -DE: 12VDC/PoE+(802.3at); -DE3: 12VDC/PoE(802.3af) Outdoor: 18W max(heater: 6W) Indoor: 12W max
Working Temperature	-30 $^{\circ}$ C-65 $^{\circ}$ C(-22 $^{\circ}$ F-149 $^{\circ}$ F)(outdoor dome) / -10 $^{\circ}$ C-50 $^{\circ}$ C(14 $^{\circ}$ F-122 $^{\circ}$ F)(indoor dome) 90% or less
Humidity	90% or less

Protection Level	IP66 standard (outdoor dome) 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") (Indoor) Φ165×168mm(Φ6.50"×6.61") (In-ceiling)
Weight(approx)	2Kg (4.41lbs) (Outdoor) 2Kg(4.41lbs) (Indoor ceiling/In-ceiling)
Mount Option	Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box