

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	N/A
Backlight compensation	BLC/DWDR
WDR	Support
Day/Night	ICR
Digital Zoom	16X
Privacy Masking	2 privacy masks programmable
Focus mode	N/A
Auto Focus	Auto / Semi-automatic / Manual
Enhancement	N/A
Focal length	4.3-129mm, 30x
Zoom speed	Approx.3s(Optical Wide-Tele)
Angle of view	65.1-2.34 degree (Wide-Tele)
Minimum Working Distance	10-1,500mm(Wide-Tele)
Aperture Range	F1.6 ~ F5.0
Smart-tracking	N/A
Pan/Tilt range	360°endless ; Tilt Range: -15°-90° (Auto Flip)
Pan/Tilt speed	Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 240°/s ,Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s
Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of Preset	300
Pattern	N/A
Power of Memory	N/A
Power loss recovery	Support
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	N/A
Smart IR	N/A
IR distance	100m
IR intensity	N/A
Alarm Input	2
Alarm Output	1
Alarm Trigger	N/A

Alarm Action	Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage
Video Output	N/A
Audio Input	1 Mic in/Line in interface Line input: 2-2.4V[p-p]; output impedance: 1K Ω , \pm 10%
Audio Output	1 Audio output interface Line level, impedance: 600 Ω
Ethernet	10Base -T, /100Base-TX, RJ45 Connector
Max.Image Resolution	1920 \times 1080
Frame rate	50Hz: 25 fps (1920 \times 1080), 25 fps (1280 \times 960) , 25 fps (1280 \times 720) 60Hz: 30 fps (1920 \times 1080), 30 fps (1280 \times 960) , 30 fps (1280 \times 720)
Image Compression	H.264 / MJPEG
SVC	N/A
ROI encoding	N/A
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722
Protocols	IP66 standard (outdoor), TVS 3,000V lightning protection, surge protection and voltage transient protection
Simultaneous Live view	Up to 20 users
Streams	Dual streams
Mini SD Card	Support up to 128GB Micro SD/SDHC/SDXC card. Support Edge recording
User/Host Level	Up to 32 users,3 Levels: Administrator, Operator and User
Security Mesures	User authentication (ID and PW), host authentication (MAC address)
Application Programming	N/A
Web Browser	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +
RS-485 Protocols	N/A
Power	Max. 40W
Working Temperature	-30 $^{\circ}$ C-65 $^{\circ}$ C(-22 $^{\circ}$ F-149 $^{\circ}$ F)(outdoor)
Humidity	90% or less
Protection Level	IP66 standard (outdoor), TVS 3,000V lightning protection, surge protection and voltage transient protection
Dimensions	Φ 220 \times 353.4mm (Φ 8.66" \times 13.91")(Outdoor)
Weight(approx)	4.5kg(9.92lbs)

Mount Option	Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box
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