



Features:

- 1/3" Sony progressive scan CCD
- up to 1.3 Megapixel resolution
- $\pm 0.1^\circ$ preset accuracy
- 360° endless pan range and -5°-185° tilt range
- H.264 video codec
- Weather Proof: IP66 standard for outdoor dome

Day & Night

Park Action

Power Loss
Recovery

Privacy
Zone

IP66

SD Card
Support

Specification:

Camera	Image Sensor:	1/3" Sony progressive scan CCD
	Effective Pixels:	1280(H)x960(V)
	Minimum Illumination:	Color: 0.5Lux@F1.6 B/W: 0.02Lux@F1.6
	White Balance:	Auto / Manual / One Touch WB / ATW
	AGC:	Auto/Manual
	S/N Ratio:	$\geq 50\text{dB}$
	BLC:	ON/OFF
	Electronic Shutter:	1/25-1/100,000s
	Day& Night:	ICR
	Digital Zoom:	12x
Auto Focus:	Auto / Semi-automatic / Manual	
Lens	Focal Length:	4.7-84.6mm, 18x
	Zoom Speed:	Approx.2s(Optical Wide-Tele)
	Angle of View:	55.2-3.2 degree (Wide-Tele)
	Minimum Working Distance:	10-1,500mm(Wide-Tele)
	Aperture Range:	F1.6 - F2.8



Pan & Tilt	Pan Range:	360°endless
	Pan Speed:	Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/sParameter_2024=10Base-T / 100Base-TXParameter_2025=FC / SC optionalParameter_2026=TX1310/RX1550n m Parameter_2027=Single Fiber/Singlemode Parameter_2028=20Km, 40Km / 60Km/ 80Km optional
	Tilt Range:	-5°~90° (Auto Flip)
	Tilt Speed:	Tilt Manual Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/sParameter_2047=3 Levels: Administrator, Camera control, Live view onlyParameter_2042=Up to 18 characters
	Proportional Zoom:	Support
	Number of Preset:	256
	Patrol:	8 patrols, up to 32 presets per patrol
	Pattern:	4 patterns, with the recording time not less than 10 min per pattern
	Power-off Memory:	Support
	Park Action:	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
	PTZ Position Display:	ON/OFF
	Freeze Frame:	Support
Alarm	Alarm Input:	1 channels input
	Alarm Output:	1 relay outputs, alarm response actions option
	Alarm Actions:	Preset, Patrol, Pattern, SD card recording, Relay output, Notification on Client
Input & Output	Monitor Output:	1.0Vp-p, 75 Ohm, BNC
	Audio Input:	Audio input (LINE input), 2-2.4Vp-p; output impedance: 1KΩ, ±10%
	Audio Output:	Line level, impedance: 600Ω



Network	Ethernet:	10Base -T, /100Base-TX, RJ45 Connector
	Max. Image Resolution:	1280×960
	Frame Rate:	50Hz: 25 fps (1280×720)
	Image Compression:	H.264
	Audio Compression:	G.711 / 16kbps
	Audio Mode:	OFF/Audio input/Audio output
	Protocols:	TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE, FTP, SMTP, NTP, SNMP
	No. of Simultaneous Users:	Up to 6 user connections at the same time
	Dual Stream:	Support
	Mini SD Card:	Manual record/Alarm record. Compatible with SDHC standard cards.
	User/Host Level:	Parameter_204=Tilt Manual Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/s3 Levels: Administrator, Camera control, Live view only Parameter_2042=Up to 18 characters3 Levels: Administrator, Camera control, Live view only
Security Measures:	User authentication (ID and password), Host authentication (MAC)	
Client GUI	Camera Control:	Pan/Tilt, Zoom, Focus, Click centering, Zoom by mouse dragging, Iris, preset calling and programming, auto mode
	Camera Name:	Parameter_204=Tilt Manual Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/sParameter_2047=3 Levels: Administrator, Camera control, Live view only up to 18 characters Up to 18 characters
	Date & Time Display:	Time: Week: Date, 6 formats on the Client
	Reading Patrol Message:	Display and reading of preset message contained in each patrol via client software



Fiber Optical Interface	Data Mode:	Parameter_202=Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/s10Base-T / 100Base-TXParameter_205=FC / SC optionalParameter_206=TX1310/RX1550nm Parameter_207=Single Fiber/Singlemode Parameter_208=20Km, 40Km / 60Km/ 80Km optional10Base-T / 100Base-TX
	Physical Interface:	Parameter_202=Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/sParameter_204=10Base-T / 100Base-TXFC / SC optionalParameter_206=TX1310/RX1550nm Parameter_207=Single Fiber/Singlemode Parameter_208=20Km, 40Km / 60Km/ 80Km optionalFC / SC optional
	Fiber Wavelength:	Parameter_202=Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/sParameter_204=10Base-T / 100Base-TXParameter_205=FC / SC optionalTX1310/RX1550nm Parameter_207=Single Fiber/Singlemode Parameter_208=20Km, 40Km / 60Km/ 80Km optionalTX1310/RX1550nm
	Fiber Type:	Parameter_202=Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/sParameter_204=10Base-T / 100Base-TXParameter_205=FC / SC optionalParameter_206=TX1310/RX1550nm Single Fiber/Singlemode Parameter_208=20Km, 40Km / 60Km/ 80Km optionalSingle Fiber/Singlemode
	Transmission Distance:	Parameter_202=Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/sParameter_204=10Base-T / 100Base-TXParameter_205=FC / SC optionalParameter_206=TX1310/RX1550nm Parameter_207=Single Fiber/Singlemode 20Km, 40Km / 60Km/ 80Km optional20Km, 40Km / 60Km/ 80Km optional



General	Menu Language:	English / Chinese
	RS-485 Protocols:	Pelco-P, or Pelco-D protocols (protocol types can be extended)
	Power Supply:	24V AC (12V DC optional)
	Power Consumption:	15W max(30W max with heater, outdoor dome)
	Working Temperature/Humidity:	-30 °C -65°C (-22°F -149°F) (outdoor dome) / -10°C -50°C (14°F -122°F) (indoor dome) 90% or less
	Protection Level:	IP66 standard compatible (Just for Outdoor dome); TVS 3000V limited lightning protection
	Mounting:	Various mounting modes optional
	Dimensions:	Φ220×299.2mm (Φ8.66"×11.78")
	Weight (approx.):	5Kg (11.02lbs)

Specifications are subject to change without notice.

