

Features

- 1/2.8" Progressive Scan CMOS
- 33x optical zoom, 16x digital zoom
- Up to 1920x1080 resolution
- H.265+/H.264 video compression
- ONVIF compatible
- Die-Casting housing, IP66 (NEMA 4)
- Optional IR LED/ IR LASER
- Optional Lighting direction remote adjustment structure (Patent pending)
- Optional wiper
- Optional water tank

Camera & lens

Sensor	1/2.8" Progressive Scan CMOS
Low light	Color: 0.002Lux @ (F1.2, AGC ON) B/W: 0.0002Lux @ (F1.2, AGC ON)
S/N Ratio	> 50dB Focal
Length	5.5 – 180 mm
Iris	F1.5-F4.3
Horizontal View Angle	58.0° ~ 1.8°
Day and Night	Mechanical ICR: Auto, Color, Black and White
Shutter speed	1/3s ~ 1/100,000s, Digital Slow shutter
Exposure mode	Auto, Manual, Iris Prior, Shutter Prior
Privacy Mask	8 zones, could be set to different color
On Screen Overlay	128 x 128 24 bits BMP files, at any location
Digital De-fog	Support
Digital Image stabilize	Support
3DNR	Support
WDR	Support, up to 120dB
Multiple Video Stream	Up to 3 video streaming for different resolutions
Max Main streaming	50Hz: 1920 x 1080 @ 25fps; 60Hz: 1920 x 1080 @ 30fps
Max Sub streaming	50Hz: 704 x 576 @ 25fps; 60Hz: 704 x 480 @ 30fps
Max 3rd streaming	50Hz: 1920 x 1080 @ 25fps; 60Hz: 1920 x 1080 @ 30fps
ROI streaming	Up to 3 video streaming for different ROIs
Storage	Micro SD up to 128GB
Smart Analysis	Face detection, Over boundary detection, Intrusion detection, Fast movement detection, Parking detection etc.
IP protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP
ONVIF	Support


 PTZ
(Pan + Tilt + Zoom)


1080P / 30FPS



Analytics



WDR


 Compression
H.265


SD Card

Audio & Video

Video compression	H.265 / H.264 / MJPEG
Video Format	50Hz: 25fps (1920x1080, 1280x960, 1280x720, 704x576, 640x480, 352x288) 60Hz: 30fps (1920x1080, 1280x960, 1280x720, 704x480, 640x480, 352x240)
H.265	Main Profile
H.264	Base Line Profile / Main Profile / High Profile
Video bitrate	32 Kbps~16Mbps
Audio compression	G.711a/G.711u/G.722.1/G.726/MP2L2/AAC/PCM
Audio bitrate	64Kbps (G.711)/16Kbps (G.722.1)/16Kbps (G.726)/32-192Kbps (MP2L2)/16-64Kbps (AAC)

PTZ

Movement Range (Pan)	360° endless
Pan Speed	Configurable, from 0.1°/s to 100°/s, Preset Speed: 100°/s
Movement Range (Tilt)	From -90° to 45°
Tilt Speed	Configurable, from 0.1°/s to 50°/s, Preset Speed: 50°/s
Presets	Up to 255 presets
Patrols	8 patrols, up to 32 presets for each patrol
Patterns	8 patterns, over 10 minutes for each pattern
Auto Scans	4 records
Lighting	200m IR LED with motorized zoom lens

General

Ethernet	10/100Base-T, RJ45 Connector
RS-485	Support, PELCO-P / D Self-Adaption
CVBS	BNC connector, NTSC/PAL composite, 1.0V[p-p] @75Ω
Audio	3.5mm connector, Line In/out
Alarm	1 alarm in / 1 alarm out
Power Supply	AC24V +/- 10%
Power Consumption	<80W
Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	≤90%
Waterproof	IP66, NEMA 4
Lightening Protection	Up to 6KV
Dimensions	L355mm × W204mm × H443mm
Weight	12 kg

Accessory - Battery

Power supply	100-240Vdc
Pumper Control	Contact Close
Water low alarming	Contact Close
Maximum water flow	14L/min
Capacity	5L/10L
Water lift	5M
Pipe length	5M / On demand
Lifetime	2000 Hours Continuously running
Power consumption	≤15w
Size	L285 * W193 * H246mm
Weight	2kg(5L) / 4kg(10L)
Rating	IP66

Dimensions

