



Specifications

CAMERA					
Sensor	1/1.7" progressive scan, 12.0 megapixel, CMOS				
Lens	6.5~ 143 mm				
Digital Zoom	16				
Optical Zoom	22				
DORI Distance	Lens	Detect(m)	Observe(m)	Recognize(m)	Identify(m)
	6.5mm	158.1	63.2	31.6	15.8
	143mm	3478.4	1391.4	695.7	347.8
Shutter	Auto/Manual, shutter time: 1s ~ 1/100000 s				
Angle of View(H)	56.69°~3.19°				
Angle of View (V)	34.2°~1.6°				
Angle of View (O)	69.7°~3.7°				
Minimum Illumination	Colour: 0.01 lux (F1.5,AGC ON) 0 lux with IR				
Iris	Auto/Manual, F1.5 ~ F3.4				
Digital noise reduction	2D/3D DNR				
Day/Night	IR-cut filter with auto switch (ICR)				
S/N	> 55dB				
WDR	DWDR				
IR Range	UP to 250m (820ft)				
Defog	Digital Defog				
VIDEO					
Video Compression	Ultra 265,H.265, H.264, MJPEG				
Frame Rate	Main Stream:12 MP(4000×3000):Max.20 fps, 8MP(3840 × 2160): Max.25fps, 2MP(1920×1080)@30fps, Sub Stream:2MP(1920×1080) : Max. 30fps, Third Stream: D1 (720×576): Max. 30fps				
BLC	Supported				
HLC	Supported				
EIS	Supported				
OSD	Up to 8 OSDs				
Privacy Mask	Up to 24 areas				
ROI	Up to 8 areas				
Motion Detection	Up to 4 areas				
SMART					
Behavior Detection	Intrusion, cross line, motion detection				
Intrusion	Enter and loiter in a pre-defined virtual region				
cross line	Cross a pre-defined virtual line				
motion detection	Moving within a pre-defined virtual region				
Recognition	Defocus, Scene Change, Object Left, Object Moving				
Intelligent Identification	Defocus, Scene Change				
Statistical Analysis	People counting				

Features

Optics

- 22x optical zoom
- Fifth-generation infrared technology, more than 250m (820ft) IR distance
- IR anti-reflection window to increase the infrared transmittance
- Optical glass window with higher light transmittance
- Smart IR
- EIS (Electronic Image Stabilization)

Compression

- Ultra 265,H.265, H.264, MJPEG
- 12 Megapixel image
- Embedded smart algorithm
- Triple streams
- Customized OSD

Network

- ONVIF Conformance

Structure

- Innovative snow-removing functionality
- More effective heat dissipation system
- Intelligent temperature control technology
- 6 KV surge protection designed for network interface

General Function	Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP, Authentication, User Authentication
AUDIO	
Audio Compression	G.711
Two-way audio	Supported
Suppression	Supported
Sampling Rate	8 KHZ
STORAGE	
Edge Storage	Micro SD, up to 128 GB
Network Storage	ANR
NETWORK	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP
Compatible Integration	ONVIF(Profile S, Profile G), API
PAN & TILT	
Pan Range	360°
Pan Speed	0.1°/s ~ 240°/s Preset speed: 300°/s
Tilt Range	-15° ~ +90° (auto reverse)
Tilt Speed	0.1° ~ 160°/s Preset speed: 240°/s
Number of Presets	1024
Patrol	Preset patrol, route patrol, recorded patrol
Home Position	Supported
INTERFACE	
Audio I/O	Audio cable Input: impedance 35 kΩ; amplitude 2 V [p-p] 1 Output: impedance 600 Ω; amplitude 2 V [p-p]
Alarm I/O	2/ 1
Serial Port	1 RS485
Network	1 RJ45 10M/100M Base-TX Ethernet
Video Output	1 BNC, impedance 75 Ω; amplitude 1 V [p-p]
GENERAL	
Power	24 V AC ± 25% (Default), 24 V DC ± 25% Power consumption: 16 W ~ 56 W
Dimensions(Ø xH)	Φ270mm×496.7mm(Φ10.6" x 19.6")
Weight	9.69kg(21.4lb)
Working Environment	0°C ~ +70°C (-40°F ~ 158°F), Humidity:10%~ 95% RH (non-condensing)
Ingress Protection	IP66

Dimensions

