

FEATURES

- 1/1.8" Progressive Scan CMOS
- 8MP (4K) Resolution
- 37x Optical Zoom and 16x Digital Zoom
- Built-in Microphone and Speaker
- Dual Sources Illumination
- Deep Learning Algorithm
- Supports Audio and Light Alarm with Blue And Red Flashing Light

SPECIFICATIONS

Camera

Image Sensor	1/1.8" Progressive CMOS
Max Resolution	8MP 3840 (H) × 2160 (V)
Min. Illumination	Color 0.0005 Lux @ (F1.6, AGC ON); B/W: 0 Lux with Light
Shutter Speed	1/5s to 1/20000s
Day & Night	Auto Switch
Zoom	37x Optical, 16x Digital

Lens

Focal Length	5.5mm – 202mm
Angle of View	H: 60° ~ 2.31°, V: 35.5 ~ 1.3° D: 67.5° ~ 2.65°
Max Aperture	Max F1.6
Focus Control	Auto / Manual / Semi-Automatic

PTZ

Movement Range (Pan)	360°
Movement Range (Tilt)	-20° to 90° (Auto Flip)
Pan Speed	Configurable from 0.6° to 200°/s; Preset Speed: 200°/s
Tilt Speed	Configurable from 0.6° to 90°/s; Preset Speed: 200°/s
Presets	255
Patrol Scan	4 Patrols, Up to 32 Presets for Each Patrol
Pattern Scan	4 Pattern Scans
Power-Off Memory	Yes
3D Positioning	Yes



Illuminator

Supplement Light Range	White Light: Up to 25M IR: Up to 200M
Supplement Light Type	Hybrid (IR and White Light)

Video

Main Stream	50Hz: 25FPS (3840x2160/3072x1728/ 2592x1944/2592x1520/2304x1296/ 1920x1080/1280x960/1280x720) 60Hz: 30FPS (3840x2160/3072x1728/ 2592x1944/2592x1520/2304x1296/ 1920x1080/1280x960/1280x720)
Sub-Stream	50Hz: 25FPS (1920x1080/1280x720/ 640x480/320x240) 60Hz: 30FPS (1920x1080/1280x720/ 640x480/320x240)
Third Stream	50Hz: 25FPS (620x480/320x240) 60Hz: 30FPS (620x480/320x240)

Video Bit Rate 8kbps to 16384kbps
H.264 Type Baseline Profile/ Main Profile
 High Profile
H.265 Type Main Profile
Region of Interest (ROI) 8

Audio

Audio Compression G.711, RAW_PCM

Event

Basic Event Motion Detection, Video
 Tampering Alarm, Alarm Input
 And Output, Sound Detection

Deep Learning Face Recognition
 Human and Vehicle Detection
 Perimeter Intrusion Detection
 Line Crossing Detection
 Stationary Object Detection
 Cross Counting
 Heat Map
 Intrusion Detection
 Region Entrance Detection
 Region Exiting Detection
 License Plate Recognition

Smart Tracking Auto Tracking

Alarm Linkage Upload to FTP, Send E-mail,
 Trigger Alarm Output, Trigger
 Recording

General

Power 36VDC/24VAC/PoE++,
 Max 44.80W
Operating Condition -30°C to 60°C (-22°F to 149°F)
 Humidity 90% or Less
 (Non-Condensing)
Material Dimension Metal
 206.4mm x 337.8mm
 (8.13" x 13.3")
Weight 5.27kg (11.6lb)
Weather Rating IP67, IK10

Network

Protocols IPv4, IPv6, HTTP, HTTPS, FTP,
 SMTP, UPnP, SNMP, DNS, DDNS,
 NTP, RTSP, RTP, TCP/IP, UDP,
 DHCP, PPPoE, RTMP
ONVIF Profile Profile M, S, G, T
API Http API
Simultaneous User/Host Live Up to 14 Channels
 Up to 15 Users, 3 User Levels:
 Administrator, Operator, User

Security Password Protection, Complicated
 Password, HTTPS Encryption,
 IP Address Filter, Control Timeout
 Settings

Web Browser IE10/11
 Safari V12.1 Above
 Firefox V.52 Above
 Google Chrome V.57 Above
 Edge V.79 Above
 Bolide VMS

Client

Image

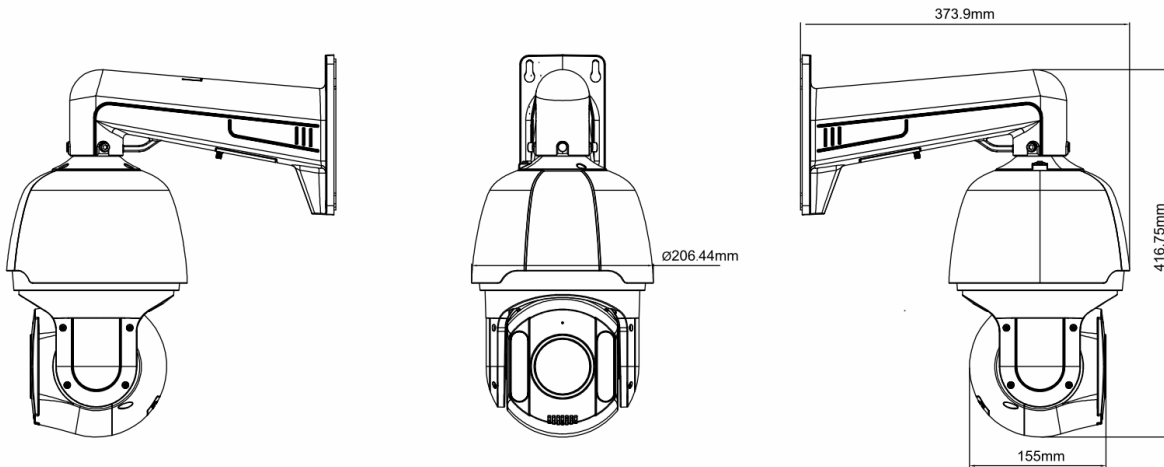
Day/Night Switch Day, Night, Auto, Schedule
Image Enhancement BLC, HLC, 3D DNR
Wide Dynamic Range (WDR) 120dB
Digital Image Stabilization Yes
Image Settings Saturation, Brightness, Contrast
 Sharpness, Hue and White
 Balance Adjustable by Client
 Software or Web Browser
 4 Privacy Masks

Privacy

Interface

Ethernet Interface 1 RJ45 10M/100M Self-Adaptive
 Ethernet Port
On-Board Storage Built-in Memory Card Slot,
 Supports MicroSD/SDHC/SDXC
 Card, Up to 256GB
Alarm Audio 1 Input, 1 Output
 1 Input (Line In), 1 Output (Line
 Out); Built-in Microphone and
 Speaker
Reset Yes
RS-485 Interface Control By Joystick Controller
 (Only Use PTZ Function)

DIMENSIONS (mm)



INCLUDED ACCESSORIES



Wall Mount Bracket