

## 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

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

### Lens

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

### PTZ

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



### Illuminator

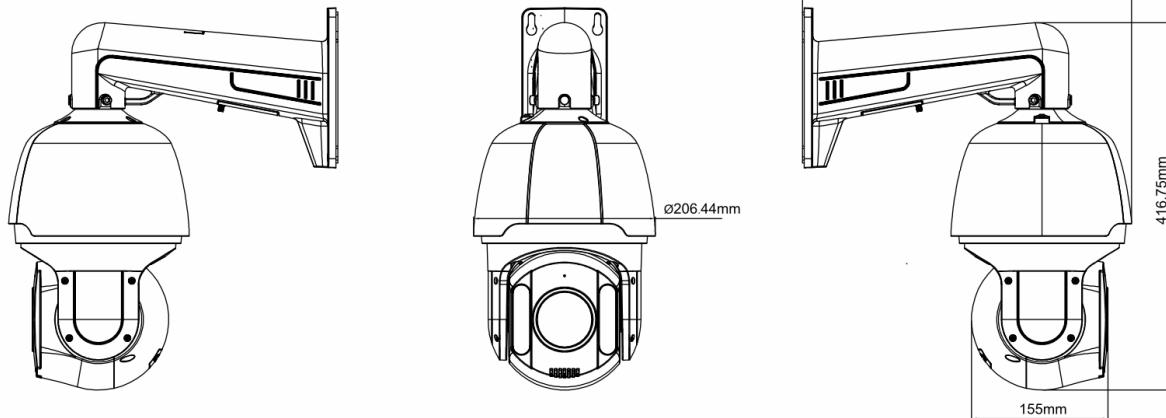
<b>Supplement Light Range</b>	White Light: Up to 25M IR: Up to 200M
<b>Supplement Light Type</b>	Hybrid ( IR and White Light )

### Video

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

<b>Video Bit Rate</b>	8kbps to 16384kbps	<b>Network</b>	
<b>H.264 Type</b>	Baseline Profile/ Main Profile	<b>Protocols</b>	IPv4, IPv6, HTTP, HTTPS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, DHCP, PPPoE, RTMP
<b>H.265 Type</b>	High Profile		Profile M, S, G, T
<b>Region of Interest (ROI )</b>	Main Profile		Http API
	8		Live Up to 14 Channels
<b>Audio</b>			Up to 15 Users, 3 User Levels:
<b>Audio Compression</b>	G.711, RAW_PCM		Administrator, Operator, User
<b>Event</b>			Password Protection, Complicated
<b>Basic Event</b>	Motion Detection, Video Tampering Alarm, Alarm Input And Output, Sound Detection		Password, HTTPS Encryption, IP Address Filter, Control Timeout
<b>Deep Learning</b>	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	<b>Web Browser</b>	Settings IE10/11 Safari V12.1 Above Firefox V.52 Above Google Chrome V.57 Above Edge V.79 Above Bolide VMS
<b>Smart Tracking</b>	Auto Tracking	<b>Client</b>	
<b>Alarm Linkage</b>	Upload to FTP, Send E-mail, Trigger Alarm Output, Trigger Recording	<b>Image</b>	
<b>General</b>		<b>Day/Night Switch</b>	Day, Night, Auto, Schedule
<b>Power</b>	36VDC/24VAC/PoE++, Max 44.80W	<b>Image Enhancement</b>	BLC, HLC, 3D DNR
<b>Operating Condition</b>	-30°C to 60°C ( -22°F to 149°F ) Humidity 90% or Less ( Non-Condensing )	<b>Wide Dynamic Range ( WDR )</b>	120dB
<b>Material Dimension</b>	Metal 206.4mm x 337.8mm ( 8.13" x 13.3" )	<b>Digital Image Stabilization</b>	Yes
<b>Weight</b>	5.27kg ( 11.6lb )	<b>Image Settings</b>	Saturation, Brightness, Contrast Sharpness, Hue and White Balance Adjustable by Client Software or Web Browser
<b>Weather Rating</b>	IP67, IK10	<b>Privacy</b>	4 Privacy Masks
		<b>Interface</b>	
		<b>Ethernet Interface</b>	1 RJ45 10M/100M Self-Adaptive Ethernet Port
		<b>On-Board Storage</b>	Built-in Memory Card Slot, Supports MicroSD/SDHC/SDXC Card, Up to 256GB
		<b>Alarm</b>	1 Input, 1 Output
		<b>Audio</b>	1 Input ( Line In ), 1 Output ( Line Out ); Built-in Microphone and Speaker
		<b>Reset</b>	Yes
		<b>RS-485 Interface</b>	Control By Joystick Controller ( Only Use PTZ Function )

**DIMENSIONS ( mm )**



**INCLUDED ACCESSORIES**



Wall Mount Bracket