

IPC-AX1350H

4 MP NETWORK CAMERA



- 1/1.8" 4Megapixel progressive scan CMOS
- .265&H.264 triple-stream encoding
- 25/30fps@2688x1520
- WDR(120dB), Day/Night(ICR), 3D DNR,AWB,AGC,BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2/1 Alarm in/out, 1/1 audio in/out
- Micro SD memory



System Overview

IPC-AX1350H contains Face Capture, Perimeter Protection and People Counting functions. Powered by deep-learning Artificial Intelligence algorithms, significantly improved accuracy. Active Deterrence and Full Color camera are also in this series. Meanwhile, the series features starlight and smart IR technology. This series fully protected from dust and water.

Functions

Face Capture

Face capture is a software application that automatically captures faces from within a digital image or a video frame from a video source. AXON cameras use advanced deep learning algorithms and are trained by a large number of face data sources, enabling the camera to locate faces quickly and accurately from the video source and capture facial images.

Face Attributes

Through the use of deep learning algorithms to analyze facial images, AXON cameras can extract six facial attributes from each frame, include Age, Gender, Expression (Jolly/Surprise/Normal/Rage/Sad/Disgusted/ Confused/Frightened), Glasses, Mouth Mask, Moustache & Beard.

Perimeter Protection

AXON's Perimeter Protection functions significantly improved accuracy. Perimeter Protection reduces false alarms and decreases pixel count requirements for object detection. Perimeter Protection features custom tripwires based on object type for automation in limited access areas such as pedestrian or vehicle-only zones. This combination of advanced AI analytics and real-time alerts to a desktop or to a mobile client reduces system requirements and resources resulting in greater surveillance system efficiency.

People Counting

People Counting function uses advanced image processing technology to capture depth information from within images. The camera pairs this information with deep learning algorithms to analyze and detect human bodies and track target objects in real time. The camera provides statistics for separate individuals' entrance and exit with up to 95% counting accuracy.

Metadata

Metadata is feature attribute information extracted from a target object which can be used for data retrieval. AXON face detection camera can extract six facial attributes and output the metadata for analysis.

Technical Specification

Camera

Image Sensor	1/1.8" 4Megapixel progressive scan CMOS
Effective Pixels	2688(H)x1520(V)
RAM/ROM	1GB/128MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	0.008Lux/F1.5 (Color,1/3s,30IRE) 0.060Lux/F1.5 (Color,1/30s,30IRE) 0Lux/F1.5 (IR on)
LED Distance	N/A
LED On/Off Control	N/A
LEDs	N/A

Lens

Lens Type	N/A
Mount Type	C/CS
Focal Length	N/A
Max. Aperture	N/A
Angle of View	N/A
Optical Zoom	N/A
Aperture Type	N/A
Close Focus Distance	N/A

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	N/A
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Artificial Intelligence

Face Capture	Support face image capture
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly/Surprise/Normal/Rage/Sad/Disgusted/Confused/Frightened), Glasses, Mouth Mask, Moustache & Beard
Perimeter Protection	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Line crossing people counting, Region people counting

General Intelligence

Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly
General Intelligence	Object Abandoned/Missing

Video

Compression	H.265+/H.265/H.264+/H.264/H.264B/H.264H/MJPEG(sub stream)
Streaming Capability	3 Streams
Resolution	2688x1520/2304x1296/1080P(1920x1080)/1.3M(1280x960)/720P(1280x720)/D1(704x576/704x480)/VGA(640x480)/CIF(352x288/352x240)

Frame Rate	Main Stream: 2688x1520(1~25/30fps)
	Sub Stream: D1(1~25/30fps)
	Third Stream: 1080P(1~11fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32~8192Kbps H.265: 19~8192Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR(120dB)
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization (EIS)	Support
Smart IR	N/A
Defog	Support
Digital Zoom	N/A
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	G.711a/G.711Mu/ AAC/ G.726/G.723
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Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP;SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP;QoS;UPnP;NTP
Interoperability	ONVIF(Profile S/Profile G), CGI, Milstone, Genet ec, P2P
Streaming Method	Unicast / Multicast
Max. User Access	20 Users
Edge Storage	N A S F T P Micro SD card 256GB
Web Viewer	IE(versions newer than IE8), Chrome, Firefox, Safari(versions newer than Safari 12)
Management Software	Smart PSS, DSS, P2P
Smart Phone	iOS, Android