

# SN-IPC8056HAN-F

5MP ABF Box Network Camera



## Key Features

- 1/2.8" STARVIS™ CMOS
- Max. 5MP (2592×1944) @25/30fps resolution
- Supports face, human, and vehicle detection & capture.
- Intelligent analytics: Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running detection, fall detection, fight detection, and people counting.
- True WDR (120dB), 3D DNR, ROI, Defog, HLC
- Built-in microphone, 1/1 audio input/output, 1/1 alarm input/output
- Built-in microSD card slot (up to 1 TB)
- Support auto back focus (ABF)

## Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max Resolution	5MP, 2592(H) × 1944(V)
Shutter Speed	1/5 to 1/20,000s
Min Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON)
Day & Night	Auto (ICR)
Lens	
Lens Type	C/CS mount lens
Iris	Fixed Iris, Auto Iris
Intelligent Analytics	
AI Multi-Target	<ul style="list-style-type: none"> <li>- Supports face, human, and vehicle detection &amp; capture</li> <li>- Supports multiple frame modes: Full Frame, Four-Corner Frame, Mosaic</li> </ul>
Intelligent Analysis	<ul style="list-style-type: none"> <li>Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running detection, fall detection, and fight detection.</li> <li>- Supports accurate target classification (human/vehicle)</li> </ul>
People Counting	Supported
Video & Audio	
Number of Streams	3 Streams
Resolution	<ul style="list-style-type: none"> <li>Stream1: 2592×1944, 2592×1520, 1920×1080, 1280×720</li> <li>Stream2: D1, VGA, CIF</li> <li>Stream3: VGA, CIF, QVGA</li> </ul>
Frame Rate	Up to 25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	<ul style="list-style-type: none"> <li>Stream1: 200 Kbps to 12 Mbps</li> <li>Stream2: 100 Kbps to 6 Mbps</li> <li>Stream3: 100 Kbps to 3 Mbps</li> </ul>
Smart Encoding	Supported
Region of Interest (ROI)	Off/On (8 Zone, Rectangle)
Audio Compression	G.711 A-law, G.711 μ-law, RAW_PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)
Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Mode	Indoor, Outdoor, Mirror, Corridor mode

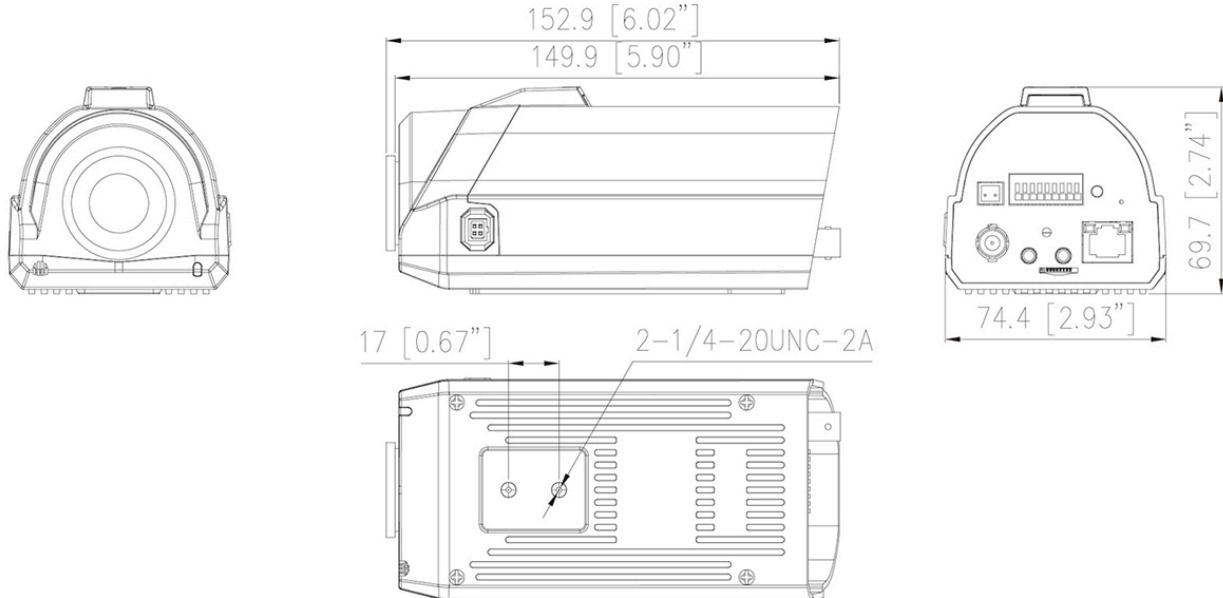
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, WDR
Wide Dynamic Range	True WDR (120dB)
Privacy Masking	4 areas
<b>Event</b>	
Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Actions	Alarm record, Alarm output, FTP upload, SMTP upload, Snapshot, Audible alarm output
<b>Network</b>	
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Application Programming Interface	ONVIF (Profile S/T/G/M), SDK, CGI
Max Concurrent Streams	10 channels
User/Host Level	32+ users, 3 levels: Administrator, Operator, Media user
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
<b>Security</b>	
OS / Firmware Protect	Encrypted firmware, Secure boot, Signed firmware
User Authentication	Digest authentication, Prevent brute-force attack
Network Authentication	IEEE 802.1X (EAP-TLS)
Secure Communication	HTTPS, WSS (WebSocket Secure), SRTP
Access Control	IP-based access control, Auto logout
Data Protect	Encryption credentials
Audit	Access / System / Event Log management
Secure Storage	SDcard partition encrypt (AES-256), Secure element
Supply Chain Security	SBOM
<b>Interface</b>	
Network Interface	1 × Ethernet (10/100 Base-T), RJ-45 connector
Built-in Microphone	Supported
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
RS-485	1 RS-485
SD Card Slot	Built-in microSD card slot, up to 1 TB
Reset Button	Supported

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## General

Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English
Power Supply	12 VDC/24 VAC (-10% to +25%)/PoE (802.3af)
Power Consumption	Max 2.5 W
Operating Temperature	-30°C to 60°C (-22°F to 140°F )
Operating Humidity	Less than 90% RH
Ingress Protection	N/A
Certifications	CE-EMC - EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 FCC 47 CFR Part 15 Subpart B
Material	Aluminum alloy
Dimensions	152.9 × 74.4 × 69.7 mm (6.02 × 2.93 × 2.74 inch)
Net Weight	Approx. 0.4 kg (0.88 lb)

## Dimensions (mm)



## Accessories

## Optional:

SN-CH515  
HousingSN-BK385  
Wall MountSN-MTG2812  
LensSN-MTG0550  
Lens