

# Face Capture and People Counting Bullet Network Cameras

4MP PoE IP Cameras



## Overview

Face capture and people counting network camera can capture more faces in a single frame from much wider angles, detect and distinguish human beings from other objects with higher accuracy and they analyze flows by counting people in the area.

Adopting the smart IR technology, the deep learning camera can also deliver clear video at night. Smart encoding technology and H.265 compression code can save 75% disk space and reduce the monitoring cost. Designed for indoor and outdoor environments, it is IP67 weatherproof, ideal for houses, enterprises, banks, governments and other applications.

## Benefits

- Face Capture & People Counting
- 50m (164ft) Night Vision
- 120dB WDR, 2D/3D DNR
- H.265, H.264, MJPEG
- PoE Power Supply
- IP67 Protection
- Smart Behavior Detection
- Built-in Micro SD Card Slot

## Key Features

### Deep Learning Technology

Deep Learning Tehnology enables face capture and people counting, which support collecting 3 kinds of face attributes includes Age, Gender, Glasses and support tripwire people counting and area people counting.

### Plug and Play PoE Connection

With only a single ethernet cable to get powered and transmit video, PoE (Power over Ethernet) cameras allow you to DIY their positions anywhere you want. No need of a separate power adapter for power supply of each camera, simplifying installation and helping to keep costs low.

### 120dB True WDR

Cameras with True Wide Dynamic Range (True WDR) can produce images even under varying light conditions. It can also maintain proper image brightness, exposure and contrast to ensure good image clarity. WDR is measured in dB. A WDR of range (120dB) can capture greater scale of brightness.

### 3D DNR

Developed for shooting at night or in dimly lit places, 3D Digital Noise Reduction (DNR) decreases picture noise and reduces colour mixture errors. 3D DNR removes the grainy fuzzy appearances of low light images, will handle moving objects without leaving tails behind, and in low light, it makes an image clearer and sharper compared to no noise reduction or 2D DNR. 3D DNR is essential to producing a clear image from your security cameras.

### Smart IR Technology

Smart IR technology can detect the infrared (IR) wavelengths, enabling the cameras to see even in low light condition or in complete darkness, and providing protection day and night.

### IP67 Protection

IP67 rated housing protects the camera against rain and dust. Capable of withstanding temperatures from -30 ~ 60 ° C (-22 ~ 140 ° F), the cameras perform well even in demanding environments.

### Smart Behavior Detection

With advanced video algorithm, cameras support smart behavior detections, such as motion detection, line-crossing and area intrusion. Based on target classification, smart behavior detections significantly reduce the false alarm caused by leaves, birds and lights etc., and accurately focus on human, motor vehicle and non-motor vehicle.

### H.265 and Smart Encoding Technology

Smart encoding technology can reduce storage costs without sacrificing resolution and frame rate. Under the same configuration, H.265 with smart encoding technology only costs one hard disk to store the same video record which needs four hard disks under H.264, saving 75% storage cost.

### Multiple Ways of Management

The camera supports different ways of management. Free monitoring softwares and Apps are available to view, manage and record the camera through the connected NVR, computer or mobile phone.

## Technical Specification

### IPC604-4M-B

#### Camera

<b>Image Sensor</b>	1/1.8" Progressive Scan CMOS
<b>Max.Resolution</b>	2688x1520
<b>Min. Illumination</b>	Color: 0.0005Lux (F1.2, AGC ON); 0Lux with IR
<b>S/N</b>	>55dB
<b>Shutter Speed</b>	Auto/Manual, 1- 1/100000s

#### Lens

<b>Focal Length (mm)</b>	2.8- 12
<b>Aperture</b>	F1.2
<b>DORI Distance (m)</b>	Detect: 42- 180 Observe: 16.8- 72 Recognize: 8.4- 36 Identify: 4.2- 18
<b>Field of View (FOV)</b>	(H) 35.6° -107.9° (V) 20.4° -75.4° (D) 43.8° -140.3°

#### Illuminator

<b>Day/Night</b>	Support
<b>IR-cut Filter</b>	Support
<b>IR On/Off Control</b>	Auto/Manual
<b>IR Range</b>	50m (164ft)
<b>Wavelength</b>	850nm

#### Video

<b>Video Compression</b>	H.265, H.264, MJPEG
<b>H.264 Code Profile</b>	Baseline Profile, Main Profile, High Profile
<b>Video Frame Rate</b>	Main Stream: 4MP (2688x 1520), Max.30fps; 4MP (2560x 1440), Max 30fps; 2MP (1920x 1080), Max 60fps; Sub Stream: 2MP (1920x 1080), Max 60fps; Third Stream: D1 (720x 576), Max 60fps; Fourth Stream: D1 (720x 576), Max 60fps; Fifth Stream: D1 (720x 576), Max 60fps
<b>Video Bit Rate</b>	128 Kbps to 16 Mbps

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Video	
On-Screen Display (OSD)	Up to 8 OSDs
Privacy Mask	Up to 8 Areas
Region of Interest (ROI)	Support
Image	
Wide Dynamic Range (WDR)	120dB
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital Noise Reduction	2D/3D DNR
Flip	Normal/Flip Vertical/Flip Horizontal/180° /90° Clockwise/90° Anti-clockwise
HLC	Support
BLC	Support
Digital Defog	Support
Smart	
Behavior Detection	False Alarm Filtering: Cross Line Detection, Intrusion Detection, Enter Area Detection, Leave Area Detection; Basic Detection: Motion Detection, Audio Detection
Face Capture	Support (collecting 3 kinds of face attributes includes Age, Gender, Glasses)
People Counting	Support (tripwire people counting and area people counting)
Exception Detection And Statistics	Object Moving, Object Left, Defocus, Scene Change
General Function	Watermark, IP address filtering, access policy, ARP protection, RTSP authentication, user authentication
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
Client	Guard Station Guard Viewer
Web Browser	Plug-in Required Live View: IE9+, Chrome 41 and below, Firefox 52 and below

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### IPC604-4M-B

Audio	
Audio Compression	G.711U, G.711A
Audio Sampling Rate	8KHZ
Storage	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS (NFS)
Interface	
Network	10/100M Base-TX Ethernet
Reset Button	Support
External Audio I/O	Support
External Alarm I/O	Support
Serial Port	1x RS485
General	
Power	AC 24V ± 25%, DC 12V (-10%~+25%), PoE (IEEE 802.3af)
Dimension (Hx Wx D)	98.1x 306x 104mm (3.9"x 12.1"x 4.1")
Net Weight	3.64lb (1.65kg)
Operating Temperature	-22° F to 140° F (-30° C to 60° C)
Storage Temperature	-40° F to 158° F (-40° C to 70° C)
Operating Humidity	≤95% RH (Non-condensing)
Storage Humidity	≤95% RH (Non-condensing)
Surge Protection	6KV
Ingress Protection	IP67, IK10
Warranty	2 Years



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