

2MP VANDAL BULLET MVF NETWORK CAMERA

HC-IPC-TI4312DVZK-N8-O



- **2MP Full HD Resolution** – Delivers sharp 1920×1080 video at 30fps
- **Infrared Night Vision** – Clear visibility up to 50 meters in total darkness
- **Lens** – 2.7-13.5mm Motorized Varifocal Lens
- **Built-in Microphone** – Capture real-time audio directly from the scene
- **Smart AI Detection** – Supports human and vehicle classification
- **Face Capture Mode** – For entry logging, identity verification, or access control
- **Edge Storage** – MicroSD/MicroSDHC/MicroSDXC supports, up to 512GB
- **IP67 Weatherproof** – Fully protected against dust and heavy rain
- **IK10 Vandal Resistance** – Ideal for public or high-risk areas



1/2.8" STARVIS
SONY IMAGE
SENSOR



2 MEGAPIXEL



BUILT IN
MIC



TWO WAY
AUDIO



SUPPORTS
SD CARD
UPTO 512GB



IP67
IK10

SYSTEM OVERVIEW

Built with a rugged, vandal-resistant housing, it ensures durability and long-term performance. Ideal for commercial buildings, retail spaces, offices, and public areas, it offers a reliable and secure surveillance solution tailored for modern security needs.

ABOUT HIFOCUS

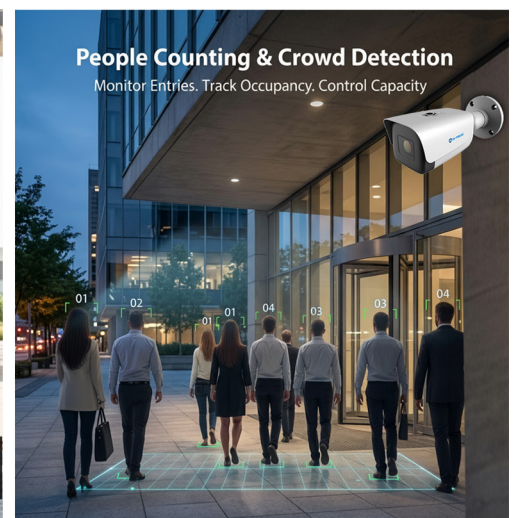
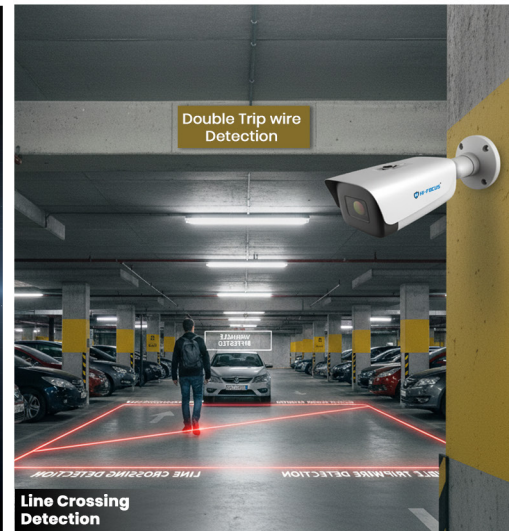
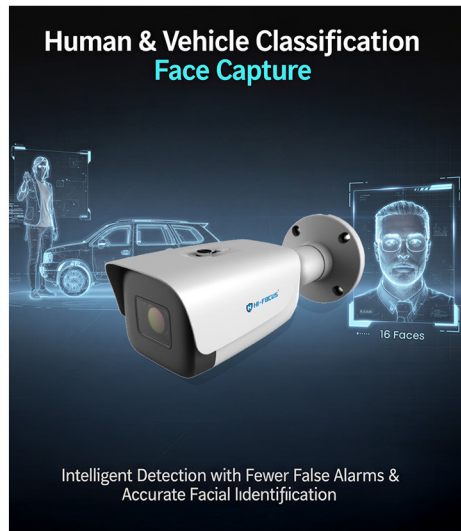
HI-FOCUS is a trusted leader in surveillance and networking solutions with more than a **Decade of experience** in CCTV Industry. We deliver innovative, reliable, and high-performance security products designed to meet global quality standards. Every HI-FOCUS product is engineered with precision and rigorously tested to ensure superior performance and customer satisfaction.

WHAT IS HIT TECHNOLOGY ?

HIT (HI-FOCUS Integrated Trust) is a next-generation security framework that strengthens surveillance systems with advanced cyber security and intelligent design. By integrating encrypted data transmission, secure device authentication, and protected remote access, HIT ensures surveillance systems remain secure, reliable, and trusted.



Design and specifications are subject to change without notice. Visit HiFocusCctv.com for the latest product information /specification.





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Quad Stream

Enabling the transmission of four independent video streams simultaneously. Configured with different resolutions, frame rates, & bitrates to optimize bandwidth usage and performance based on application requirements.

OSD Configuration Menu

The intuitive OSD menu enables quick, precise control of image and detection settings for optimal performance in any environment.

Two-Way Audio

Built-in two-way audio enables real-time communication through the camera, allowing users to listen and speak remotely for instant response, guidance, or deterrence.

Alarm Integration

Equipped with Alarm Input and Alarm Output ports for seamless integration with external security & monitoring systems. Benefits of Automated threat notification and Reduced manual monitoring.

Advanced AI Features

- Human & Vehicle Classification – Smart detection with fewer false alarms
- Tripwire & Double Tripwire – Detect directional line crossing
- Object Abandon & Object Lost – Identify unattended or missing objects
- Heatmap Analysis – Track activity density patterns
- Loitering & Running Detection – Spot unusual behavior instantly
- Parking Detection – Monitor unauthorized parking activity
- People Counting & Crowd Detection – Measure footfall and crowd levels
- Safety Helmet Detection – Ensure workplace safety compliance
- Face Capture – Capture faces for identification and records



CORE FEATURES

CAMERA

Image Sensor	1/2.8" CMOS Starvis Sony Image Sensor
Minimum illumination	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
Shutter Speed	1s-1/100000s
Day&Night	IR-cut filter with auto switch (ICR)
Smart IR	upto 80m
Wave length	850nm
WDR	120dB
S/N	<56dB
Focal Length	2.7-13.5mm
Aperture Range	F1.6, Fixed
Aperture Type	Motorized
Field of View	102.9° -31.4°
DORI Distance	Detect:38.5m~165.5m Observe:15m~65.5m Recognize:7.5m~33m Identify:3.5m~16.5m
Optical Zoom	5x
Digital Zoom	16x

VIDEO

Video Compression	Smart H.265/ H.265/H.264B/H.264M/ H.264H/Motion JPEG
Video Bit Rate	32k-16Mbps
Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
Audio Sampling Rate	8kHz/32kHz/48kHz
Max. Resolution	1920 x 1080@30fps
Main Stream	PAL 25 Fps: 1920 x 1080 @25fps, 1280 x 720NTSC 30 Fps: 1920 x 1080 @30fps, 1280 x 720
Sub Stream	PAL 25 Fps: 1280x 720, 4CIF(704x 576) NTSC 30 Fps: 1280x 720, 4CIF(704x 576)
Third Stream	PAL 25 Fps: 1280 x720, 4CIF(704x 576) NTSC 30 Fps: 2CIF(704x 288), CIF(352x 288), 640x 360, 4CIF(704x 576)
Fourth Stream	PAL 25 Fps: 2CIF(704x 288), CIF (352x 288), 640x 360, 4CIF(704x 576) NTSC 25 Fps: 2CIF(704x 288), CIF (352x 288), 640x 360, 4CIF (704x 576)@30fps

BLC	Supported
HLC	Supported
AGC	Supported
3DNR	Supported
White Balance	Auto/Semi-auto/Manual/Sunny/ Natural light/Warm light/Sodium lamp/Incandescent lamp/Locked white balance
ROI	8 regions
OSD	5regions; 16x16/32x32/48x48/64x64/ 96x96
Defog	Supported
Privacy Mask	4 regions

INTELLIGENT ANALYSIS

Basic Event	Human/Vehicle Classification, Tripwire, Double Tripwire, Object Abandon, Object Lost, Heatmap, Loitering, Running, Parking, People Counting, Crowded, Safety Helmet Detection, On Duty Detection, Video Abnormal, Audio Abnormal
Face Recognize	Face Capture, Detects up to 16 faces at the same scene
Smart Detection	Supports human and vehicle classification, Face Capture for Smart Alerts

SECURITY

Cyber Security	AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs,account lockout, syslog, video encryption, I P/MAC filtering, HTTPS, trusted upgrade,trusted boot
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INTERFACE

Network Interface	1 RJ45 10M/100M self adaptive Ethernet port
Audio	1channel in, 1channel out
Built-in Mic	Supported
Alarm	2channel in, 3mA, 3.3VDC, 1channel out, 1A, 24VDC
Reset Button	Supported
On-Board Storage	Built-in Micro SD card slot, up to 512 GB
Additional Interfaces	RS-485



NETWORK

ANR	Yes
Protocols	HTTP, HTTPS, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, DHCP, DNS, DDNS, Easy DDNS, NTP, SMTP, SSL, 802.1X, QoS, IPv4, IPv6, PPPOE, Unicast, Multicast, RTCP, ARP, RTP, SRTP, RTSP, FTP, SFTP, NAS
System Compatibility	ONVIF Profile S/T/G/M, SDK, CGI, Milestone, RTMP
Remote Connection	≤7
Client	HF Prime VMS

GENERAL

Operating Temperature	-40°C~65°C(-40°F~149°F)
Operating Humidity	≤95%RH
Storage Temperature	-40°C~65°C(-40°F~149°F)
Storage Humidity	10%~95%RH(non-condensing)
Power Supply	DC12V±25%, MAX 7W; POE 802.3at, MAX 8W
Ingress Protection	Surge protection 4000V, ESD6000V, IP67
Vandal Resistance	IK10
Certification	MTBF Certificate from STQC, EMI/EMC, ISO9001, CE, FCC and RoHS, BIS, STQC approved compliance report, REACH, ESD 4KV, BIS-ER-01, BIS-IS-13252
Boundary Dimensions	265(L)105(W)105(H)mm
Package Dimensions	360(L)150(W)170(H)mmV
Gross Weight	1.16kg



Dimensions

