



VN-HM2MPFD-IPC

2MP Mobile Fixed-Focal Dome Network Camera



System Overview

This series of cameras adopts upgraded H.265 encoding technology, which has efficient video coding capabilities, which can save bandwidth and storage space. The camera supports 12V DC/POE power supply, and it is convenient for engineering installation. The ability of dustproof and waterproof meets the IP67 international standard.

Functions

Intelligent code (H.265+, H.264+)

Viruni intelligent coding technology adopts advanced scene self-adaptive bitrate control algorithms to achieve higher encoding efficiency than H.265 & H.264, providing high-quality video and significantly reducing storage and transmission costs.

Protection (IP67, IK10)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normal after soaking in 1 m deep water for 30 minutes.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J).

Passenger Counting

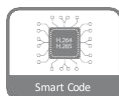
With deep learning algorithm, the camera can track and process moving human body targets to realize the accurate statistics of enter No. and leave No. Working with MNVR and Mobile center management platform (through sites distribution and GPS tracking), the system supports to output detailed reports of the number of people getting on and off at each station, which greatly helps bus companies optimize scheduling.

Face Detection

Support face capture with attributes including gender, age, expression, glasses, mask and beard.

Features:

- 2 MP 1/2.7" CMOS
- Outputs max. 2 MP (1920 × 1080) @25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED, max. IR distance: 20 m.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Intelligence Feature: Passenger counting and face detection.
- Max. 256 G micro SD card.
- Built-in Mic.
- 12V DC/PoE power supply facilitates installation.
- IP67, IK10 protection.



Technical Specification

Camera

Image Sensor	2MP 1/2.7" CMOS
Resolution	1920 (H) × 1080 (V)
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.002 lux@F1.6 (Color, 30 IRE) 0.0002 lux@F1.6 (B/W, 30 IRE) 0.005 lux@F2.0 (Color, 30 IRE) 0.0005 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	20m (65.62 ft)
Illuminator Number	2 (IR Light)
Pan/Tilt/Rotation Range	Pan: -30°- 30°; Tilt: 0°- 80°; Rotation: 0°- 360°

Lens

Lens Type	Fixed-focal
Mount Type	M12
Aperture	F1.6
Focal Length	Fix focal with 2.8 mm focal length
Field of View	2.8mm:H 106.9°×V 56.9°×D 127.9°
Iris Type	Fixed

Intelligence

AI	Passenger Counting/Face Detection
----	-----------------------------------

Video

Video Frame Rate	Main stream: 1920×1080@(1-25/30fps) Sub stream: 704×576@(1-25 fps)/704×480 @(1-30fps) Third stream: 1920×1080@(1-25/30fps)
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/ Smart H.264+
Video Bit Rate	H.264: 32 kbps–8192 kbps H.265: 12 kbps–5632 kbps
Day/Night	Auto (ICR)
HLC	Supported
WDR	120 dB
White Balance	Auto/manual
Gain control	Auto/manual
Noise Reduction	3D DNR
Defog	Supported
Image Rotation	Supported
Mirror	Supported
Privacy Masking	4 areas

Audio

Built-in MIC	Supported, 1 channel
Audio Compression	G.711a; G.711Mu; G.726; AAC; G.723

Alarm

Alarm Event	No SD card; SD card full; SD card error; service life warning (only supported by Viruni card); network disconnection; IP conflict; illegal access; motion detection; video tampering; scene changing; audio detection; voltage detection; external alarm; SMD; safety exception
-------------	---

Network

Network port	1 x RJ45 port
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; SNMP
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
User/Host	20
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS
Browser	IE; IE11 Chrome Firefox

Power

Power Supply	DC12V, PoE (802.3af)
--------------	----------------------

Power Consumption	Basic: 2.4 W (12V DC); 4.6 W (PoE) Max. (H.265+WDR + IR intensity + Intelligence): 5 W (12V DC); 7.2 W (PoE)
-------------------	---

Environment

Operating Temperature	–40°C to +70°C (–40°F to +158°F)
Operating Humidity	≤95%
Protection Grade	IP67, IK10

Structure

Casing	Metal
Dimensions	64.8 mm × Φ111.0 mm (2.55" × Φ4.37")
Net Weight	402 g (0.89 lb)
Gross Weight	515 g (1.14 lb)