DAHUA TECHNOLOGY

DAE-CPC5241F
2MP Mobile Fixed-focal Dome Network Camera

Series 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+)

Dahua Smart Code 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, K10)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works 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).
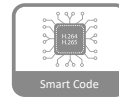
Passenger Counting

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.

Highlights

- 2 MP 1/2.7" CMOS image sensor, excellent low luminance performance and high definition of images.
- 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: Passenger counting/face detection.
- Max. 256 G micro SD card.
- Built-in Mic.
- 12 VDC/PoE power supply facilitates installation.
- IP67, IK10 protection.

2Mp | Smart Code | Face Detection | People Counting | IP67&IK10

Technical Specification

Camera

Image Sensor	1/2.7" CMOS
Max. 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@F1.4 (Color, 30 IRE) 0.0002 lux@F1.4 (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	Pan:-30°- 30°; Tilt: 0°- 80°; Rotation: 0°- 360°

Lens

Lens Type	Fixed-focal
Mount Type	M12
Focal Length	2.1 mm/2.8 mm/3.6 mm/12mm
Field of View	2.1mm: Horizontal: 125°; Vertical: 65°; Diagonal: 164° 2.8mm: Horizontal: 107°; Vertical: 57°; Diagonal: 128° 3.6mm: Horizontal: 87°; Vertical: 44°; Diagonal: 105° 12mm: Horizontal: 29°; Vertical: 16°; Diagonal: 33°
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 Dahua 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 (Built-in RJ-45 port, and it supports the network data of 10 M/100 M)
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	12V DC/ PoE (802.3af)

Power Consumption	Basic: 4.8 W (12 VDC); 5.6 W (PoE) Max. (WDR + IR intensity + Intelligence): 6.9 W (12 VDC); 8.2 W (PoE)

Environment

Operating Temperature	−40°C to +60°C (−40°F to +140°F)
Operating Humidity	≤95%
Protection Grade	IP67, IK10

Structure

Casing	Metal
Dimensions	64.8 mm × Φ111.0 mm (2.55" × Φ4.37")
Net Weight	423 g (0.93 lb)
Gross Weight	530 g (1.17 lb)

Certification

Certifications	CE EMC: Electromagnetic Compatibility Directive 2014/30/EU; CE LVD: EN 62368-1: 2020; FCC: 47 CFR Part 15, Subpart B; UL: UL62368-1; E-mark; EN50155

Dimensions (mm[inch])

64.8 [2.55]

⌀111.0[⌀4.37]
⌀108.2[⌀4.26]
⌀98.0[⌀3.86]
3-⌀4.4[⌀0.17]

FRONT