

DHI-DAE-CHBW3200C-IPC

2MP IR Fixed Focus C-type Dome Network Camera



Overview

This device employs H.265 encoding technology, delivering high-efficiency video compression to significantly reduce bandwidth and storage consumption. It supports dual power input modes (DC 9V~36V or PoE) for flexible deployment. Compliant with IP69K (dust/waterproof) and IK10 (impact resistance) international standards, ensuring robust environmental durability.

Highlights

- Supports wide-range 9V~36V DC power supply and PoE (Power over Ethernet) for flexible engineering installation.
- Equipped with a 2MP image sensor, it delivers excellent low-light performance and high image clarity.
- Supports H.265 encoding, achieving ultra-low bitrate transmission with high compression ratio.
- Supports corridor mode, WDR(wide dynamic range), 3D noise reduction, HLC(highlight compensation), and BLC(backlight compensation), suitable for various monitoring environments.
- Utilizes Starlight-technology to ensure high-quality imaging even in extremely low-light environments.
- Complies with IP69K and IK10 international standards.

Scene

This device is specifically designed for in-vehicle applications, suitable for industry scenarios such as freight transportation and public buses.

Technical Specification

Camera

Sensor Type	1/2.7"CMOS
Maximum Resolution	2560(H)×1440(V)
Pixel	2MP
Scanning Method	Progressive scan
Electronic Shutter	1/3s~1/100000s (Auto/Manual)
Minimum Illumination	0.01lux (Color) 0.001 lux (B/W) 0 lux (with fill light on)
SNR	38dB
Illuminator	1× IR Illuminator (Auto/Manual)
Maximum Illumination Distance	2.1mm: 10m(IR) 2.8mm: 15m(IR) 3.6mm: 20m(IR) 6.0mm: 20m(IR)
Adjustable Angle	Horizontal: 0°~360° Vertical: 0°~90°

Lens

Lens Type	Fixed-focus
Lens Port	M12
Focal Length	2.1mm/2.8mm/3.6mm/6mm
Lens Aperture	2.1mm/3.6mm/6mm: F1.6 2.8mm: F2.0
FoV	2.1mm: 122.4° (H) × 66° (V) × 144.6°(D) 2.8mm: 109.6° (H) × 60.05° (V) × 127.8°(D) 3.6mm: 96° (H) × 53.6° (V) × 111.5°(D) 6mm: 50° (H) × 27.4° (V) × 58°(D)
Aperture Control	Fixed Aperture
Minimum Focus Distance	2.1mm: 0.3m 2.8mm: 0.2m 3.6mm: 0.8m 6.0mm: 2.0m
DORI Distance	2.1mm: D: 31.3m, O: 12.5m, R: 6.3m, I: 3.1m 2.8mm: D: 29.0m, O: 11.6m, R: 5.8m, I: 2.9m 3.6mm: D: 38.6m, O: 15.4m, R: 7.7m, I: 3.9m 6.0mm: D: 82.8m, O: 33.1m, R: 16.6m, I: 8.3m

Video

Video Frame Rate	Main Stream: 2560×1440/1920×1080/1280×960/1280×720@1~25fps Sub Stream: 704×576/640×480/352×288@1~25 fps
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Compression Standards	H.265,H.264,H.264H,H.264B, MJPEG (Only the sub stream is supported)
Video Streaming Capability	Dual Stream
Video Bitrate	H.264: 2816 kbps–6144 kbps H.265: 1024 kbps–6144 kbps
Day/Night Mode	ICR Auto-Switching
Noise Reduction	Supported (3D NR)
Mirror	Supported
BLC	Supported
HLC	Supported
WDR	Supported
Intelligent Fill Light	Supported
Scenario adaptive	Supported
Image Flip	Supported
Corridor Mode	Supported
White Balance	Auto/Manual/Natural Light/Street Light/Outdoor/Area Customization
Gain Control	Auto/Manual
ROI	4 pecs
Privacy Masking	4 pecs
Language	Chinese

Audio

Audio Input	1-channel, built-in mic
Compression Standards	PCM,G.711a,G.711Mu,G.726,AAC
Audio Sampling Rate	8kHz

Network

Network Port	1× RJ-45 Ethernet port (10/100M Ethernet data) 1× 4-pin D-type aviation connector
Network 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,Bonjour,Active Registration
Access Standards	ONVIF,GB/T28181,CGI,PSIA
Maximum Preview Users	20
Storage	FTP,SFTP,NAS
Browser	Supports IE9,IE10,IE11,Chrome8+,Firefox3.5+,Safari5+

Alarm

Alarm Event	Network disconnected, IP conflict, Dynamic detection, Video occlusion, Audio anomaly detection
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Function

Image Setting	Brightness,Contrast,Sharpness,Saturation,Gamma
OSD Info Overlay	Channel,Time,Location
User Management	Supports up to 20 users
Safety Mode	Authorized user name and password, MAC address binding, HTTPS encryption, IEEE 802.1x, Network access control

Power

Power Supply	DC 9V~36V/POE (802.3af)
Consumption	Basic Power: 1.5W (IR off) Max Power: 2.3W (IR on)

Environment

Operating Temperature	−40°C ~ +60°C [−40°F~+140°F]
Operating Humidity	≤95% RH (non-condensing)
Protection Grade	IP69k,IK10

Audio

Housing Material	Metal
Production Dimensions	Φ64.97mm × 57.20mm [Φ2.56"× 2.25"]
Net Weight	200g [0.44lb]
Installation	Top-mount/Wall-mount

Ordering Information

Type	Port	Model
2MP IR Fixed Focus C-type Dome Network Camera	RJ45	DHI-DAE-CHBW3200C-M-0210B-IPC
		DHI-DAE-CHBW3200C-M-0280B-IPC
		DHI-DAE-CHBW3200C-M-0360B-IPC
		DHI-DAE-CHBW3200C-M-0600B-IPC
	4-pin D-type aviation connector	DHI-DAE-CHBW3200C-M12-0210B-IPC
		DHI-DAE-CHBW3200C-M12-0280B-IPC
		DHI-DAE-CHBW3200C-M12-0360B-IPC
		DHI-DAE-CHBW3200C-M12-0600B-IPC

Dimensions (mm[inch])

