

EXIP-4MP/VFB

4MP IR Mini Dome Camera



• 4MP • 2592×1520@20 fps • 3DDNR,DWDR • 20M IR • IP66 • IK10

The economical IP mini-dome cameras can be used indoors or outdoors. These small dome cameras are available with optional two-way audio. They come with built-in IR illumination so they can be used in total darkness. These cameras can be used in a wide variety of environments. They are especially good for viewing doorways and small rooms. The VFB Mini Dome is the smaller and most discreet camera at an entry-level price point. It provides exceptional image quality in 4/MP resolution.

Key Features

- ◆ 1/2.7" 4MP progressive scan CMOS
- ◆ H.265 Compression Technology
- ◆ Max. resolution 4MP (2592×1520, @20fps.)
- ◆ 0Lux/F1.4 (IR on) color: 0.01Lux/F1.4, B/W: 0.001Lux/F1.4
- ◆ 2.8 mm Wide-angle Fixed Lens
- ◆ Infrared LED : 1pc Array Lens 15-20 M Night Vision
- ◆ Support low bit rate, low delay and ROI enhance encoding
- ◆ Support smart IR, prevent IR overexposure at night
- ◆ ICR filter plate automatic switch, real D/N monitoring
- ◆ Smart IR II Technology to Avoid Overexposure
- ◆ Smart Motion Detection to Reduce False Alarms
- ◆ Support intelligent analysis:
target count, item left/lost, area detection, line crossing
- ◆ Weather-proof IP66 and Vandal-proof IK10-rated Housing
- ◆ Support 12 V/DC
- ◆ Support 3D digital N/R, DWDR

Additionally, the VFB series employs Smart Stream III technology and H.265 compression codec, reducing bandwidth more than 90%* while still maintaining excellent image quality compared to traditional H.264 without smart streaming. As a pioneer in the use of H.265 compression, Starlight Premium, is future-proof and twice as efficient as H.264 models in terms of bandwidth, storage and bitrate, while maintaining the high image quality.

Smart IR II function solves the issue that the IR camera will be over exposure for close objects, so that the brightness will evenly distributed on the image, ensure to get a better effect for close objects and make the image more realistic and exquisite.

IP66 Rating The camera is designed with the no ingress of dust, complete protection against contact, dust tight & ingress of water in harmful quality shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1m of submersion). Immersion at depth of at most 1m measured at bottom of device, and at least 15cm measured at top of device.

ONVIF This profiles allow users to easily identify specific interoperable features hence simplifies the concept of interoperability and management of conformant products, and it address common functionalities.

Application scene

Applicable to buildings, supermarkets, hotels, banks, road, warehouse, underground parking lot, bar, pipeline, garden and other dark or lightless environment, which require HD image place, suitable for backlighting environment.

Technical Specifications

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	512MB

Camera Features

Image Sensor	1/2.7" Progressive Scan CMOS
Maximum Resolution	2592×1520
Lens Type	Fixed
Focal Length	f = 2.8mm
Aperture	F2.0~ F2.2
Mount Type	Board-in
Field of View	H:106°/83°, V:56°/44°
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	DWDR
Day/Night	Removable IR-cut filter for day & night
Minimum Illumination	0.04 Lux @ F1.3 (Color), 50IRE 0.002 Lux @ F1.3 (Color), 30IRE 0 Lux with IR illumination on
Pan/Tilt Rang	N/A
Rotation Range	N/A
Digital Noise reduction	3DDNR
IR Illuminators	Built-in IR illuminators, effective up to 20 meters with Smart IR II

	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8mm	63m(207ft)	25m(82ft)	13m(43ft)	6m(20ft)

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate	20 fps @ 2592×1520
Sub Stream	704*576, 15-25 fps,640*480, 15-25 fps
S/N Ratio	≥50dB (AGC OFF)
Dynamic Range	D-WDR
Video Bit Rate	32Kbps-16Mbps continuously adjustable,

Image Settings

Support for brightness, contrast, saturation, white balance, AWB (automatic white balance), AGC (automatic gain), AE (automatic exposure); support privacy area; normal / 90 ° / 270 ° image rotation; Automatic, manual color to black and other switches.

Network

Client Browse	Support IE6.0 and above browser, support 8 users concurrent access (MAX)
Protocols	TCP,IP,UDP,HTTP,DHCP,RTSP,DDNS,NT P,PPPOE,UPNP,SMTP,ONVIF
Interface	10 Base-T/100 Base-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
Access Protocol	ONVIF Protocol; SDK

Intelligent Video

Intelligent analyst	Target count, item left/lost, area detection, line crossing;
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DATA TRANSMISSION & STORAGE

Alarm Data Transmission	FTP, E-mail, Browser, Management software
Storage Mechanism	Manual, automatic (cycle, timing, alarm switch, motion detection)
P2P Remote	AEeye2.0 supports iPhone, iPad, Android system smartphone,Support Windows 7 and above computer client, Apple MAC computer client
Other	Support corridor mode to increase monitoring area in vertical and long environment

General

Connectors	cable connector for DC 12 V
LED Indicator	System power and status indicator
Power Input	DC 12V, Max.10W
Dimensions	Φ111(D)*61.3(H)mm
Weight	310 g (w/o packing box) 435g (w packing box)
Casing	IP66, IK10(Metal Housing)