

Product Highlights

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance.

High Quality Video

With smart Encode H.265+, the camera deliver high quality video without straining the network



DCS -F4712

2MP Network IR Eyeball

Features

- 1/2.7" Progressive Scan CMOS
- 3.6mm
- 25fps/30fps@2MP(1920*1080)
- Triple Streams
- Smart IR Up to 20m
- Low bitrate ,Excellent low light performance
- WDR,3D DNR
- ROI, Defog, HLC, Corridor mode, DIS
- IP66

Eco series products by upgrading H.265 encoding technology, bringing high efficient video compression. It saves bandwidth and storage, energy-saving design to enhance the monitoring system. Meanwhile, the series offers features such as Smart IR technology, intelligent image analysis techniques. It provides excellent image quality and intelligent and efficient event reminders. This series provides IP66 weatherproof and IK10 vandal-proof protection feature.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, true WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of Perimeter, Single Virtual Fences, Double Virtual Fences, Loiter, Multi Loiter, Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad.

Smart Encode (H.265+)

Deliver high quality video without straining the network, Smart Encode H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

HEVC (H.265)

H.265 ITU-T VCEG is a new video coding standard. Following standard developed around the existing video coding standard H.264, some retain the original technology, while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream, encoding quality, and the delay between algorithm complexity, optimize settings specific contents include: Improve compression efficiency, improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay, reduce complexity.

Technical Specifications

Camera		Audio	
Image Sensor	• 1/2.7" Progressive Scan CMOS	Compression	• N/A
Effective Pixels	• 1920(H)×1080(V)	Bit Rate	• N/A
Scanning System	• Progressive	Network	
Electronic Shutter	• 1/5-1/20000s	Protocols:	• IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, APR, SNMP
Min. illumination	• Color:0.05Lux@(F1.2,AGC ON) B/W:0Lux@(IR LED ON)	Interoperability	• ONVIF
S/N Ratio	• 55dB	Streaming Method	• Unicast
IR Range	• Up to 20m	Max. User Access	• 10 Users
IR On/Off Control	• Auto/ Manual	Web Viewer	• <IE11, Chrome, Firefox
IR LEDs	• 18pcs	Management Software	• IMS 3.0
Pan/Tilt/Rotation Range	• Pan:0 ~360 , Tilt:0 ~90 , Rotation:0 ~360	Smart Phone	• IOS, Android
Lens		Intelligence	
Lens Type	• Fixed	IVS	• Perimeter, Single Virtual Fences, Double Virtual Fences, Loiter, Multi Loiter , Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad
Iris	• Fixed Iris	Interface	
Focal Length	• 3.6mm	Ethernet	• 1 Ethernet (10/100 Base-T) RJ-45 Connector
F Number	• F2.0	Audio Interface	• N/A
Angle of View	• 85°	Alarm	• N/A
Focus Control	• Fixed	RS485	• N/A
Close Focus Distance	• 0.5m	BNC Output	• N/A
Video		Reset Button	• N/A
Compression	• H.265,H.264,MJPEG	Edge Storage	• N/A
Max. Resolution	• 1080P(1920×1080)	Electrical	
Streaming Capability	• 3 Streams	Power Supply	• DC12V/POE
Stream / Frame Rate	• Stream1: 1920×1080/1280×720 @25/30fps • Stream2: D1/VGA/640×360/CIF/QVGA @25/30fps • Stream3: VGA/CIF/QVGA @25/30fps	Power Consumption	• 2.5W(IR LED OFF), 5W(IR LED ON)
Bit Rate Control	• CBR/VBR	Operating Temperature	• Starting Temperature: -30°C ~ 50°C (-22°F ~ 122°F) • Working Temperature: -30°C ~ 50°C (-22°F ~ 122°F)
Bit Rate	• Stream1: 500kbps~12000kbps • Stream2: 100kbps~8000kbps • Stream3: 100kbps~3000kbps	Operating Humidity	• Less than 90% RH
Day/Night	• ICR	Ingress Protection	• IP66
Image Enhancement	• HLC / Defog / WDR (120dB)	Certifications	• CE/FCC
White Balance	• Support	Casing	• Metal
Gain Control	• Auto/Manual	Dimensions	• φ62×196.5mm
Noise Reduction	• 2D/3D DNR	Net Weight	• 360g
Electronic Image Stabilization(EIS)	• Support		
Smart IR	• Support		
Mirror	• Support		
Region of Interest	• Support		
Motion Detection	• Support		
Privacy masking	• Support		

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Dimensions (mm)

