

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

Deliver high quality video with a optimized network resourced through the implementation of Smart Encode H.265+.



DCS -F4612 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 model provides IP66 weatherproof 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.



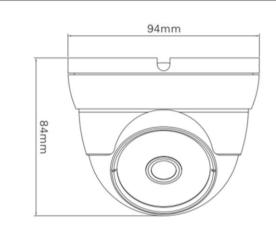
HEVC (H.265)

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.



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	- 10/74
Electronic Shutter	• 1/5-1/20000s		
Min. illumination	• Color:0.05Lux@(F1.2,AGC ON) B/W:0Lux@(IR LED ON)	Protocols:	• IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, APR, SNMP
S/N Ratio	• 55dB	Interoperability	• ONVIF
IR Range	• Up to 20m	Streaming Method	• Unicast
IR On/Off Control	• Auto/ Manual	Max. User Access	• 10 Users
IR LEDs	• 18pcs	Web Viewer	• <ie11, chrome,="" firefox<="" td=""></ie11,>
Pan/Tilt/Rotation Range	• Pan:0 ~360 , Tilt:0 ~90 , Rotation:0 ~360	Management Software	• IMS 3.0
Lens		Smart Phone	• IOS, Android
Lens Type	• Fixed	Intelligence	
lris	• Fixed Iris	IVS • F	Perimeter, Single Virtual Fences, Double Virtual Fences, Loiter, Multi Loiter , Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking Signal Bad
Focal Length	• 3.6mm	105	
F Number	• F2.0		
Angle of View	• 85°		
Focus Control	• Fixed	Interface	
Close Focus Distance	• 0.5m	Ethernet	• 1 Ethernet (10/100 Base-T) RJ-45 Connector
Video		Audio Interface	• 1ch Audio In,1ch Audio Out, 1ch Built-in MIC
Compression	• H.265,H.264,MJPEG	Alarm	• N/A
Max. Resolution	• 1080P(1920×1080)	RS485	• N/A
Streaming	• 3 Streams	BNC Output	• N/A
Capability		Reset Button	• N/A
Stream /	 Stream1: 1920×1080/1280×720 @25/30fps Stream2: D1/VGA/640×360/CIF/QVGA @25/30fps Stream3: VGA/CIF/QVGA @25/30fps 	Edge Storage	• N/A
Frame Rate		Electrical	
Bit Rate Control	• CBR/VBR	Power Supply	• DC12V/POE
Bit Rate	 Stream1: 500kbps~12000kbps 	Power Consumption	• 2.5W(IR LED OFF), 5W(IR LED ON)
	•Stream2: 100kbps~8000kbps •Stream3: 100kbps~3000kbps	Operating Temperature	•Starting Temperature: -30°C ~ 50°C (-22°F ~ 122°F) •Working Temperature: -30°C ~ 50°C (-22°F ~ 122°F)
Day/Night	• ICR	Operating	• Less than 90% RH
lmage Enhancement	• HLC / Defog / WDR (120dB)	Humidity Ingress Protection	• Less than 90% Km • IP66
White Balance	• Support		
Gain Control	• Auto/Manual	Certifications	• CE/FCC
Noise Reduction	• 2D/3D DNR	Casing	• Metal
Electronic Image Stabilization(EIS)	• Support	Dimensions	• 094×84mm
Smart IR	• Support	Net Weight	• 350g
Mirror	• Support		
Region of Interest	• Support		
Motion Detection	• Support		
	• Support		

Dimensions (mm)





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