

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.



Motion Detection

Privacy masking

Support

Support

Section Pixels -1920(H)x 1080(V) Bit Rate -NVA Network Propositive Propositive -175-1720005 -175-172005 -175-172	Camera		Audio	
Protocols	Image Sensor	• 1/2.7" Progressive Scan CMOS	Compression	• N/A
Electronic Shutter - 1/5-1/200005 Min. illumination - colorOoStux@(F1.2,AGC ON) B/M/OLux@(R LED ON) S/SR Ratio - 55dB Interoperability - ONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPPoP, FTP, APR, SNMP INTEROPORT - PTP, APR, SNMP INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, FTP, APR, SNMP INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, FTP, APR, SNMP INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, FTP, APR, SNMP INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, FTP, APR, SNMP INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, FTP, APR, SNMP INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, FTP, APR, SNMP INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, FTP, APR, SNMP INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, FTP, APR, SNMP INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, STREAMING INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, STREAMING INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, STREAMING INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPoP, STREAMING INTEROPORT - CONVIF RTSP, DHCP, NTP, RTCP/RTP, PRPP, SMTP, DNS, UPPoP, SMTP, DNS,	Effective Pixels	• 1920(H)×1080(V)		• N/A
Electronic Shutter 1/5-1/200005	Scanning System	Progressive	Network	
Min. Illumination - coloro.05Luxg(F1.2,AGC ON) Br.Wr.OLuxg(IR LED ON) RTSP, DIKCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPPp, FTF, APR, SMMP No. STREAM No.	Electronic Shutter	• 1/5-1/20000s		ID. A /ID. C. 002 1 LITTO LITTOC TCD/ID LIDD/ID
Interoperation	Min. illumination	Color:0.05Lux@(F1.2,AGC ON) B/W:0Lux@(IR LED ON)	Protocois:	RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS,
R Range	S/N Ratio	• 55dB	Interoperability	• ONVIF
Max. User Access -10 Users	IR Range	• Up to 20m	Streaming Method	• Unicast
RLEDS	IR On/Off Control	• Auto/ Manual		• 10 Users
Pan/Itirkotation Range Lens	IR LEDs	• 18pcs		
Lens Type	Pan/Tilt/Rotation Range	• Pan:0 ~360 , Tilt:0 ~90 , Rotation:0 ~360	Management	
Lens Type	Lens		Smart Phone	• IOS, Android
Fixed Iris Fixed Iris Focal Length Focal Le	Lens Type	• Fixed		
Focal Length - 3.6mm	Iris	1 11 10 11		Devise stay Cingle Vistoral Faces Devision 1
F. Number F. 2.0 Removed, Abnormal Speed, Converse, Illegal Parkin Signal Bad Signal Bad Signal Bad Signal Bad Signal Bad Signal Bad Signal Bad	Focal Length	• 3.6mm	IVS	
Interface Close Focus Fixed	F Number	• F2.0		Removed, Abnormal Speed, Converse, Illegal Parking
Close Focus Distance Video	Angle of View	• 85°		Signal Bad
Distance • 0.5m Ethernet • 1 Ethernet (10/100 Base-1) RJ-45 Connector Video Audio Interface • N/A Compression • H.265,H.264,MJPEG Alarm • N/A Max. Resolution • 1080P(1920×1080) BNC Output • N/A Streaming • 3 Streams BNC Output • N/A Reset Button • N/A • N/A Stream : 1920×1080/1280×720 @25/30fps • Stream : 1920×1080/1280×720 @25/30fps • Stream : 1940×640×360/CIF/QVGA @25/30fps • Stream : 101/VGA/640×360/CIF/QVGA @25/30fps • Bit Rate Control • CBR/VBR Power Supply • DC12V/POE • Stream : 100kbps~12000kbps Power Consumption • 2.5W(IR LED OFF), 5W(IR LED ON) • Stream : 100kbps~3000kbps Operating • Starting Temperature: -30°C ~ 50°C (-22°F ~ 122°F) • Day/Night • ICR Operating • Working Temperature: -30°C ~ 50°C (-22°F ~ 122°F) • Image • HLC / Defog / WDR (120dB) Humidity • Less than 90% RH • Ingress Protection • IP66 • Working Temperature: -30°C ~ 50°C (-22°F ~ 122°F) • Ingress Protection • IP66	Focus Control	• Fixed	Interface	
Audio Interface .N/A Alarm .N/A Alarm .N/A Alarm .N/A RS485 .N/A Max. Resolution .1080P(1920×1080) .1080P(1920×1080) .3 Streams Capability .3 Streams .11920×1080/1280×720@25/30fps .Stream2: D1/VGA/640×360/CIF/QVGA @25/30fps .Stream3: VGA/CIF/QVGA @25/30fps .Stream3: VGA/CIF/QVGA @25/30fps .Stream3: VGA/CIF/QVGA @25/30fps .Stream3: 100kbps~8000kbps .Stream3: 100kbps~8000kbps .Stream3: 100kbps~8000kbps .Stream3: 100kbps~3000kbps .Stream3: 100kbps~3000kbps .Stream3: 100kbps~3000kbps .Stream3: 100kbps~3000kbps .Stream3: 100kbps~8000kbps .Stream3: 100kbp	Close Focus	• 0.5m	Ethernet	• 1 Ethernet (10/100 Base-T) RJ-45 Connector
Alarm •N/A R5485 •N/A			Audio Interface	• N/A
Max. Resolution			Alarm	• N/A
Streaming Capability Stream : Stream : 1920×1080/1280×720 @25/30fps Stream / Frame Rate Stream : Stream : 1920×1080/1280×720 @25/30fps Stream : Stream : 1920×1080/1280×720 @25/30fps Stream : Stream : 1920×1080/1280×720 @25/30fps Electrical Power Supply Doc 12V/POE Stream : 500kbps~12000kbps Stream : 100kbps~8000kbps Stream : 100kbps~8000kbps Stream : 100kbps~3000kbps Day/Night ICR Image Enhancement White Balance Support Support Support Certifications Certifications Certifications Certifications Support Dimensions Net Weight Support Mirror Support Mirror Support Stream : 1920×1080/200fps Edge Storage N/A Edge Storage N/A Edge Storage N/A Edge Storage N/A Edge Storage N/A Edge Storage N/A Edge Storage N/A Edge Storage N/A Edg	Compression	• H.265,H.264,MJPEG	RS485	• N/A
Streaming			BNC Output	• N/A
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 - Stream3: VGA/CIF/QVGA @25/30fps - Stream3: VGA/CIF/QVGA @25/30fps - Stream3: VGA/CIF/QVGA @25/30fps - Stream3: VGA/CIF/QVGA @25/30fps - Stream3: S00kbps~12000kbps - Stream2: 100kbps~8000kbps - Stream3: 100kbps~8000kbps - Stream3: 100kbps~3000kbps - Stream3: 100kbps~3000kbps - Day/Night - ICR - Image - IHLC / Defog / WDR (120dB) - HILC / Defog / WDR (120dB) - Support - Support - Casing - Metal - Support - N/A - Support - Support - Stream2: N/A - Support - Support - Stream2: N/A - Support - Support - Stream2: N/A - Support - Support - N/A - Support - Support - N/A - Support - N/A - Support - Support - N/A - Support - Support - N/A - Support - Support - N/A - Support -	Streaming	• 3 Streams	· ·	·
- Stream2: D1/VGA/640×360/CIF/QVGA @25/30fps - Stream3: VGA/CIF/QVGA @25/30fps - Stream3: VGA/CIF/QVGA @25/30fps - Stream3: VGA/CIF/QVGA @25/30fps - Stream1: 500kbps~12000kbps - Stream2: 100kbps~8000kbps - Stream3: 100kbps~3000kbps - Stream3: 100kbps~300kbps - Stream3: 100kbps~300kbps - Stream3: 100kbps~300kbps - Stream3: 100kbps~30		• Stream1: 1920×1080/1280×720 @25/30fps	Edge Storage	
Stream1: 500kbps~12000kbps Stream2: 100kbps~8000kbps Stream3: 100kbps~8000kbps Stream3: 100kbps~3000kbps	Stream / Frame Rate	• Stream2: D1/VGA/640×360/CIF/QVGA @25/30fps		
Bit Rate -Stream1: 500kbps~12000kbps -Stream2: 100kbps~8000kbps -Stream3: 100kbps~3000kbps -Stream3: 100kbps~3000kbps -Stream3: 100kbps~3000kbps Day/Night -ICR -Image Enhancement -HLC / Defog / WDR (120dB) -Support -Ingress Protection -Support -Ingress Protection -Support -Ingress Protection -Support -Starting Temperature: -30°C ~ 50°C (-22°F ~ 122°F) -Working Temperature: -30°C ~ 50°C (-22°F ~ 122°F) -Workin	Bit Rate Control	• CRR/VBR	Power Supply	• DC12V/POE
Stream2: 100kbps~8000kbps Stream3: 100kbps~3000kbps Day/Night ICR Day/Night Image Enhancement White Balance Gain Control Noise Reduction Lectronic Image Stabilization(EIS) Support Support Support Operating Humidity Less than 90% RH Ingress Protection Ingress Protection Certifications CE/FCC Casing Metal Dimensions Auto/Manual Support Dimensions Net Weight Support Mirror Support		•Stream1: 500kbps~12000kbps	Power Consumption	
Day/Night Image Image Enhancement White Balance Gain Control Noise Reduction Electronic Image Stabilization(EIS) Support Mirror - ICR Operating Humidity - Less than 90% RH Ingress Protection - IP66 Certifications - CE/FCC Casing - Metal Dimensions - \(\phi 62 \times 196.5 \text{mm} \) Net Weight - 360g	bit rate		'	
HLC / Defog / WDR (120dB) Enhancement • HLC / Defog / WDR (120dB) White Balance • Support Gain Control • Auto/Manual Noise Reduction • 2D/3D DNR Electronic Image Stabilization(EIS) • Support Smart IR • Support Mirror • Support Net Weight • 360g	Day/Night	• ICR		
White Balance • Support Gain Control • Auto/Manual Certifications • CE/FCC Noise Reduction • 2D/3D DNR Casing • Metal Electronic Image Stabilization(EIS) • Support Dimensions • φ62×196.5mm Net Weight • 360g Mirror • Support	Image Enhancement	• HLC / Defog / WDR (120dB)		
Noise Reduction • 2D/3D DNR Casing • Metal Electronic Image Stabilization(EIS) Smart IR • Support Mirror • Support Support Support Mirror • Support	White Balance	• Support		
Electronic Image Stabilization(EIS) Smart IR Support Dimensions • φ62×196.5mm Net Weight • 360g Mirror • Support			Certifications	• CE/FCC
Stabilization(EIS) Net Weight • 360g Mirror • Support	Noise Reduction	• 2D/3D DNR	Casing	• Metal
Smart IR • Support Mirror • Support	9	• Support		'
Mirror • Support	Smart IR	• Support	Net Weight	• 3609
	Region of Interest	• Support		



