

Product Highlights

Rugged Construction

Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

Intelligent Video System (IVS)

The camera comes 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 delivers high quality video without straining the network.



DCS-F4782F

2MP SmartEye Camera

Features

- 1/2.8" Progressive Scan CMOS
- 6mm(8mm optional)
- 25fps/30fps@2MP(1920*1080)
- Triple Streams
- Smart IR Up to 30m
- Support Face, body, head-shoulder detection and capture
- High performance, real-time to capture 15 targets for each
- Detecting and capture success rate 97% (depending on installation and angle)
- Max angle deviation $\pm 45^\circ$, up and down $\pm 25^\circ$
- WDR, 3D DNR, ROI, Defog, HLC, DIS
- IP66

DCS-F4782F 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)

Support Face, body, head-shoulder detection and capture. Also 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. H.265 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 Specification		Video Specification	
Image Sensor	• Four 1/1"8 8MP Progressive Scan CMOS	Motion Detection	• Support
Effective Pixels	• 5760(H)×43240(V)	Privacy Masking	• Support
Scanning System	• Progressive	Audio Specification	
Electronic Shutter	• 1/5-1/20000s	Compression	• G.711
Min. illumination	• Color:0.009Lux@(F1.2,AGC ON)B/W:0Lux@(IR LED ON)	Bit Rate	• 64kbps (G.711), 128kps (RAW_PCM)
S/N Ratio	• 55dB	Network Specification	
IR Range	• N/A	Protocols	• IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, APR, SNMP
IR On/Off Control	• N/A	Interoperability	• ONVIF
IR LEDs	• N/A	Streaming Method	• Unicast
Pan/Tilt/Rotation Range	• N/A	Max. User Access	• 10 Users
Lens Specification		Web Viewer	• <IE11, Chrome, Firefox
Lens Type	• Fixed	Management Software	•
Iris	• Fixed Iris	Smart Phone	• IOS, Android(>V4.3)
Focal Length	• 2.2mm	Intelligence Specification	
F Number	• F2.2	IVS	• Perimeter, Single Virtual Fences, Double Virtual Fences, Loiter, Multi Loiter, Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad, Audio Anomaly Detection
Angle of View	• 360°	Interface	
Focus Control	• Fixed	Ethernet	• 1 Ethernet (10/100 Base-T) RJ-45 Connector
Close Focus Distance	• N/A	Audio Interface	• 1ch Audio In,1ch Audio Out, 1ch Built-in MIC
Video Specification		Alarm	• 1ch Alarm In,1ch Alarm Out
Compression	• H.265,H.264,MJPEG	RS485	• N/A
Max. Resolution	• Edge Stitching 5760×3240	BNC Output	• N/A
Streaming Capability	• 3 Streams	Reset Button	• Support
Stream / Frame Rate	• Stream1: 5760×3240/4096×2160/3840×2160/1920×1080 @25fps/30fps Stream2: 3840×2160/1080P/720P/D1 @25fps/30fps Stream3: VGA/CIF/QVGA	Edge Storage	• Micro SD/SDHC/SDXC slot, Max 128GB
Bit Rate Control	• CBR/VBR	Electrical	
Bit Rate	• Main Stream: 7680×4320: 2048Kbps~16384Kbps Sub Stream: 1024Kbps~8Mbps	Power Supply	• DC12V/POE+
Day/Night	• Auto / Color / dWDR	Power Consumption	• 2.5W (IR LED OFF) , 5W (IR LED ON)
Image Enhancement	• BLC / HLC / Defrog / dWDR	Operating Temperature	• Starting Temperature: -30°C ~ 60°C (-22°F ~ 140°F) • Working Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
White Balance	• Auto/Manual	Operating Humidity	• Less than 90% RH
Gain Control	• Auto/Manual	Ingress Protection	• IP66
Noise Reduction	• 2D/3D DNR	Certifications	• CE / FCC
Electronic Image Stabilization(EIS)	• Support	Casing	• Metal
Smart IR	• N/A	Dimensions	• 194.4 x 63 x 63 mm
Mirror	• Support	Net Weight	• 500g
Region of Interest	• Support		

Dimensions (mm)

