

## Product Highlights

### Rugged Construction

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

### 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.



## DCS -F4714

# 4MP Network IR Bullet

## Features

- 1/3" Progressive Scan CMOS
- 3.6mm(2.8/6mm optional)
- 25fps/30fps@4MP(2592\*1520)
- Triple Streams
- Smart IR Up to 30m
- Low bitrate ,Excellent low light performance
- WDR,3D DNR
- ROI, Defog, HLC, Corridor mode, DIS
- IP67

Pro 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 starlight, Smart IR technology, intelligent image analysis techniques. It provides excellent image quality and intelligent and efficient event reminders. This model provides IP67 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.

### Environmental

With a temperature range of -30 °C to +60 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

### 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                              |                                                                                                                                                           | Audio                 |                                                                                                                                                                     |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                        | • 1/3" Progressive Scan CMOS                                                                                                                              | Compression           | • G.711 ,RAW PCM                                                                                                                                                    |
| Effective Pixel                     | • 2592(H)x1520(V)                                                                                                                                         | Bit Rate              | • 64kbps (G.711), 128kbps (RAW_PCM)                                                                                                                                 |
| Scanning System                     | • Progressive                                                                                                                                             | Network               |                                                                                                                                                                     |
| Electronic Shutter                  | • 1/5-1/20000s                                                                                                                                            | Protocols:            | • IPv4/IPv6, 802. 1x, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP. PPPOE, SMTP, DNS, UPNP, FTP, APR, SNMO                                                      |
| Min. illumination                   | • Color:0.05Lux@(F1.2,AGC ON)<br>• B/W:0Lux@(IR LED ON)                                                                                                   | Interoperability      | • ONVIF                                                                                                                                                             |
| S/N Ratio                           | • 55dB                                                                                                                                                    | Streaming Method      | • Unicast                                                                                                                                                           |
| IR Range                            | • Up to 30m                                                                                                                                               | Max. User Access      | • 10 Users                                                                                                                                                          |
| IR On/Off Control                   | • Auto/Manual                                                                                                                                             | Web Viewer            | • <IE11, Chrome, Firefox                                                                                                                                            |
| IR LEDs                             | • 2pcs                                                                                                                                                    | Management Software   | • IMS 3.0                                                                                                                                                           |
| Pan/Tilt/Rotation Range             | • Pan:0°~360° ,Tilt:0°~90° , Rotation:0°~360°                                                                                                             | Smart Phone           | • IOS, Andriod                                                                                                                                                      |
| Lens                                |                                                                                                                                                           | Interface             |                                                                                                                                                                     |
| 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                                                                                                                                              | Intelligence          |                                                                                                                                                                     |
| Focal Length                        | • 3.6mm(2.8/6mm Optional)                                                                                                                                 | 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                                                                                                                                                   | BNC Output            | • N/A                                                                                                                                                               |
| Close Focus Distance                | • 0.5m                                                                                                                                                    | RS485                 | • N/A                                                                                                                                                               |
| Video                               |                                                                                                                                                           | Reset Button          | • Support                                                                                                                                                           |
| Compression                         | • H.265,H.264,MJPEG                                                                                                                                       | Edge Stroage          | • N/A                                                                                                                                                               |
| Max. Resolution                     | • 4MP(2592x1520)                                                                                                                                          | Electrical            |                                                                                                                                                                     |
| Streaming Capability                | • 3 Steams                                                                                                                                                | Power Supply          | • DC12V/POE                                                                                                                                                         |
| Stream/ Frame Rate                  | • Stream1: 2592x1520/2560x1440/2304x1296/1920x1080/1280x720 @25/30fps<br>• Stream2: D1/VGA/640X360/CIF/QVGA @25/30fps<br>• Stream3 VGA/CIF/QVGA @25/30FPS | Power Consumption     | • 2.5W(IR LED OFF), 5W (IR LED ON)                                                                                                                                  |
| Bit Rate Control                    | • CB4/VBR                                                                                                                                                 | Operating Temperature | • Starting Temperature: -30°C ~60°C (-22°F ~ 140°F )<br>• Working Temperature: -40°C ~60°C (-40°F ~ 140°F )                                                         |
| Bit Rate                            | • Stream1: 500kbps~12000kbps<br>• Stream2: 100kbps~6000kbps<br>• Stream3: 100kbps~3000kbps                                                                | Operating Humidity    | • Less than 90% RH                                                                                                                                                  |
| Day/Night                           | • ICR                                                                                                                                                     | Ingress Protection    | • IP67                                                                                                                                                              |
| Image Enhancement                   | • HLC / Dfog / WDR(120dB)                                                                                                                                 | Certifications        | • CE/FCC                                                                                                                                                            |
| White Balance                       | • Support                                                                                                                                                 | Casing                | • Metal                                                                                                                                                             |
| Gain Control                        | • Auto/Manual                                                                                                                                             | Dimensions            | • 169x70x60mm                                                                                                                                                       |
| Noise Reduction                     | • 2D/3D DNR                                                                                                                                               | Net Weight            | • 631g                                                                                                                                                              |
| Electronic Image Stabilization(EIS) | • Support                                                                                                                                                 |                       |                                                                                                                                                                     |
| Smart IR                            | • Support                                                                                                                                                 |                       |                                                                                                                                                                     |
| Mirror                              | • Support                                                                                                                                                 |                       |                                                                                                                                                                     |
| Region of interest                  | • Support                                                                                                                                                 |                       |                                                                                                                                                                     |
| Motion Dectection                   | • Support                                                                                                                                                 |                       |                                                                                                                                                                     |
| Privacy Masking                     | • Support                                                                                                                                                 |                       |                                                                                                                                                                     |

Dimensions (mm)

