

## Product Highlights

### 3MP Resolution

1/2.8" progressive CMOS sensor capable of 3 megapixel high resolution images to ensure that you capture the details you need

### Wide Dynamic Range

Wide Dynamic Range technology corrects imperfect lighting, providing clear images with the right amount of contrast even when a subject is backlit

### Weatherproof

The camera apparatus is housed in a weather-proof enclosure (IP66) for versatile placement in any environment



## DCS-F6123

# 12X 3MP High Speed Dome Network Camera

## Features

### Camera

- 1/2.8" progressive CMOS sensor
- WDR/HLC for difficult light sources
- 12x optical zoom and 16x digital zoom
- Built-in removable IR-cut filter for clearer day/night surveillance

### Connections

- 10/100 Fast Ethernet port
- Micro SD/SDHC/SDXC card slot
- Audio input/output
- 2ch Alarm In, 1ch Alarm Out

### Video & Audio

- Real-time H.264 and Motion JPEG compression
- 2048 x 1536 resolution at 25 fps
- 2-way audio
- G.711, RAW\_PCM audio codec support
- Multiple access list
- Privacy Masks

### Housing

- IP-66 weather-resistant
- Vandal Proof (IK-10)
- -40° to 60° C wide temperature control

The DCS-F6123 12X 3MP High Speed Dome Network Camera is a high-definition professional surveillance and security solution suitable for small, medium, and large enterprises. The DCS-F6123 features a CMOS sensor capable of 3MP resolution, allowing for very clear surveillance footage to be taken. The powerful 12X optical zoom and 16X digital zoom ensure the smallest details with ease.

## Proportional Pan, Tilt, and Zoom Speeds

Proportional pan and tilt make it easy to precisely adjust the camera's view. When the camera zooms in, the panning speed is automatically slowed to improve camera tracking and control. PTZ presets allow the camera to monitor specific areas along predefined paths.

## Built for Tough Environments

Specially designed for use in harsh environments, the DCS-F6123 has a tough, industry certified IP-66 (weather-proof) metal housing. This means that it is able to withstand sudden high impacts, as well as adverse weather conditions. The camera is housed in a weatherproof enclosure (IP-66 standard) that enable it to operate in extreme environment at temperature ranging from -40° to 60° C (-40° to 140° F). The camera also equipped with lightning and surge protection.

## Wide Dynamic Range (WDR) and HLC

The Wide Dynamic Range (WDR) function of a camera provides clear images even under dynamic lite conditions where the intensity of illumination can vary significantly. The DCS-F6123 is recommended for extreme high-contrast environments. For example, when placed indoors, the DCS-F6123 can adjust itself to intense sunlight, such as light streaming in through a nearby window. This makes it an ideal solution for security applications. The HLC feature allows camera to provide clear images during night vision by adjusting the brightness from strong light sources like head lights & spot lights.

## Removable IR Cut Filter & IR LEDs for Night Monitoring

The IR cut filter can be manually applied, or set to automatically adjust based on lighting conditions. This feature enables the camera to capture crisp color images during the daytime, and grayscale images in low-light.

The DCS-F6123 is also built with IR LED illuminators with a 100 meter range, allowing the camera to keep watch even in complete darkness. This works to give you a reliable surveillance camera capable of monitoring an area 24 hours a day.

### Technical Specifications

#### Camera

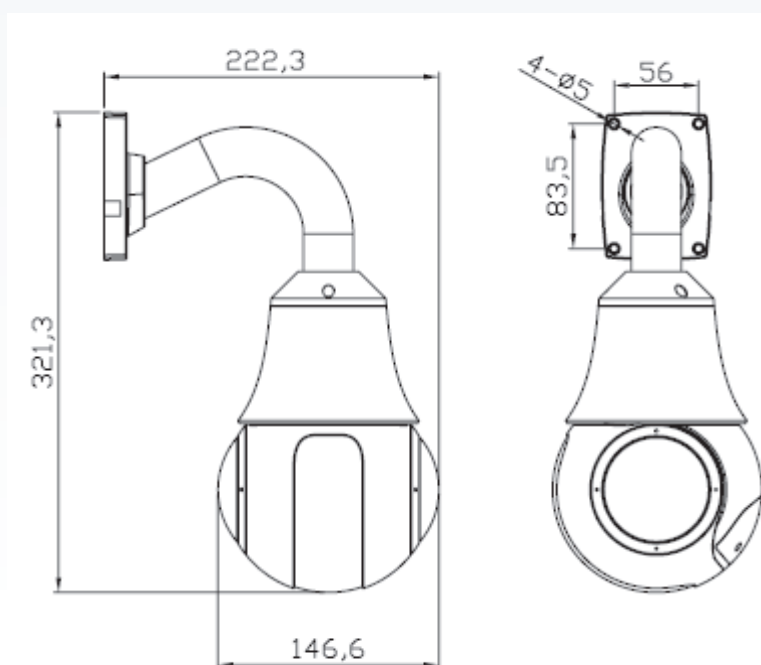
Camera Hardware Profile	<ul style="list-style-type: none"> <li>• 1/2.8" progressive Scan CMOS sensor</li> <li>• Minimum illumination 0.01 Lux (Color); 0.001 Lux (B/W), IR ON 0 Lux</li> <li>• Built-in Infrared-Cut Removable (ICR) Filter</li> <li>• 100 meter IR illumination distance</li> <li>• 12x optical zoom, 16x digital zoom</li> </ul>	<ul style="list-style-type: none"> <li>• 4.7~56.4mm auto focus zoom lens</li> <li>• Aperture F1.2 - F3.2</li> <li>• Angle of View <ul style="list-style-type: none"> <li>• (H) 69.7° to 7.56°</li> <li>• (V) 21.4° to 3.27°</li> </ul> </li> <li>• Shutter Speed 1/1 to 1/10,000 sec.</li> </ul>
Camera Housing	<ul style="list-style-type: none"> <li>• IP66 compliant weatherproof housing</li> </ul>	
PTZ Hardware Profile	<ul style="list-style-type: none"> <li>• Pan travel: 360° endless</li> <li>• Tilt travel: -10° to 90°</li> <li>• Presets: 300 points</li> <li>• Preset Accuracy</li> <li>• Tilt Speed: 0.01 to 90°/s</li> <li>• Pan Speed: 0.01° to 180°/s</li> <li>• Tilt Preset Speed: 90°/s</li> <li>• Pan Preset Speed: 180°/s</li> </ul>	<ul style="list-style-type: none"> <li>• Track: 6</li> <li>• Cruise Paths: 12</li> <li>• Pan and tilt speed proportional to zoom ratio</li> <li>• Resume after power loss</li> <li>• 3D Positioning</li> <li>• Scan: 12</li> </ul>
Image Features	<ul style="list-style-type: none"> <li>• Configurable image size, quality, frame rate, VBR/CBR (500kbps ~ 12 Mbps)</li> <li>• Time stamp and text overlays</li> <li>• Customized text overlay</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable privacy masks total zones</li> <li>• Configurable exposure, Brightness, sSaturation, Contrast, Sharpness, White balance, Rotate mode, Corridor mode</li> </ul>
	<ul style="list-style-type: none"> <li>• Digital Noise reduction with 2D and 3D technology</li> <li>• No. of zones configurable for ROI : 8</li> </ul>	<ul style="list-style-type: none"> <li>• Image Enhancement with WDR, HLC, ROI, Defog</li> </ul>
Video Compression	<ul style="list-style-type: none"> <li>• H.264 High/Main/Baseline Profile, MJPEG</li> <li>• 2048(H) × 1536(V)/25 FPS</li> </ul>	<ul style="list-style-type: none"> <li>• JPEG for still images</li> </ul>
Video Resolution	<ul style="list-style-type: none"> <li>• Stream 1: 2048(H) × 1536(V)</li> <li>• Stream 2: 1080P/720P/D1/CIF/QCIF/VGA/QVGA/640x360</li> </ul>	
Audio Support	<ul style="list-style-type: none"> <li>• G.711, RAW_PCM</li> </ul>	
Frame Rate	<ul style="list-style-type: none"> <li>• Selectable upto 30 FPS</li> </ul>	
Vandal Proof (IK-10)	<ul style="list-style-type: none"> <li>• Yes</li> </ul>	
External Device Interfaces	<ul style="list-style-type: none"> <li>• 1 Ethernet (10/100 Base-T) RJ-45 Connector</li> <li>• 1ch Audio In, 1ch Audio Out</li> <li>• 2ch Alarm In, 1ch Alarm Out</li> </ul>	<ul style="list-style-type: none"> <li>• Reset Button</li> <li>• Micro SD/SDHC/SDXC slot (Built-in), Max 64GB</li> </ul>
Network		
Network Protocols	<ul style="list-style-type: none"> <li>• IPv4</li> <li>• IPv6</li> <li>• TCP/IP</li> <li>• UDP</li> <li>• ICMP</li> <li>• DHCP Client</li> <li>• NTP Client</li> <li>• DNS Client</li> </ul>	<ul style="list-style-type: none"> <li>• DDNS Client</li> <li>• SMTP</li> <li>• HTTP/HTTPS</li> <li>• PPPoE</li> <li>• UPnP</li> <li>• RTP/RTSP</li> <li>• Multicast</li> <li>• ONVIF compliant</li> </ul>
Security	<ul style="list-style-type: none"> <li>• Administrator and user group protection</li> <li>• Remote client access control</li> </ul>	<ul style="list-style-type: none"> <li>• HTTP and RTSP authentication</li> <li>• HTTPS encryption for web access</li> <li>• hardware watchdog</li> </ul>

## System Management




System Requirements for Web Interface	• IE 11 ,Chrome ,Firefox
Event Management	<ul style="list-style-type: none"> <li>• Motion detection, Video Loss, Port Alarm</li> <li>• Alerts to SMTP client</li> <li>• Event notification and upload snapshots/video clips via e-mail</li> <li>• Multiple event notification only on mails</li> </ul>
Remote Management	<ul style="list-style-type: none"> <li>• Configuration interface accessible via web browser</li> <li>• Take snapshots</li> </ul>
OS and Mobile support	<ul style="list-style-type: none"> <li>• Operating System: Windows 7/8/XP/Vista/2000 and higher</li> <li>• Android</li> </ul>
DCMS System Requirement	<ul style="list-style-type: none"> <li>• Operating System: 32 Bits - MS Windows XP pro SP3/Visa SPI/Win 7 SPI/ Win10 64 bits - Win 7 SPI/Win Server 2008 R2</li> </ul>
DCMS Software Function	• Control and manage up to 64 channels

## General

Weight	• 1.5 kg
Protection	<ul style="list-style-type: none"> <li>• TVS4000V Lightning Protection</li> <li>• Surge Protection</li> </ul>
Power Input	• Standard DC12V/POE+, Optional AC24V
Max. Power Consumption	• Max 25 W
Operating Temperature	• Working Temperature: -40 °C ~ 60 °C (-40 °F ~ 140 °F)
Humidity	• 0% - 90 % RH
Certifications	• CE, FCC
Dimensions	• 321.3x222.3x146.6 mm



# DCS-F6123 12X 3MP High Speed Dome Network Camera

Order Information	
Part Number	Description
DCS-F6123	12X 3MP High Speed Dome Network Camera
Optional Accessory	
Part Number	Description
DCS-FCA640	 Ceiling Mount
DCS-FCA641	 Wall Bracket
DCS-FCA633	 Junction Box