

# DS-2CD6W45G0-IVS 4 MP IR Network Fisheye Camera



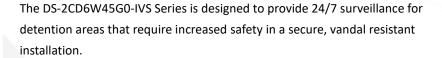












The camera's unique corner-mount, anti-ligature design and IK10 impact rating ensures a safe and secure installation in the most demanding conditions.

The 2 mm ultra-wide angle lens provides a 135° horizontal field of view and captures clear images without blind spots. The camera features a 4 MP progressive scan CMOS sensor and provides high-resolution images of up to 2400 × 1800 pixels. Integrated 980 nm LEDs offer invisible IR functionality up to 30 ft (10 m) in zero-light environments.

The DS-2CD6W45G0-IVS is a perfect solution for detention areas that require invisible IR capabilities, an anti-ligature design, and improved safety. Vandal and impact resistance improves the life of the camera and improves performance in the most demanding of applications.

- 1/2" Progressive Scan CMOS
- Max. 2400 × 1800@30fps
- 120 dB WDR
- Up to 10m IR range
- Built-in microphone
- Smart features
   6 behavior analyses, and 3 exception detections





## **Specifications**

Camera						
Image Sensor	1/2" Progressive Scan CMOS					
Min. Illumination	Color: 0.082 Lux @ (F2.4, AGC ON), B/W: 0.016 Lux @ (F2.4, AGC ON), 0 Lux with IR					
Shutter Speed	1 s to 1/100,000 s					
Slow Shutter	Yes					
Day & Night	IR Cut Filter					
Digital Noise Reduction	3D DNR					
WDR	120 dB					
Lens						
Focal Length	2 mm					
Aperture	F2.4					
FOV	Horizontal FOV 135° (corner mount)					
Lens Mount	M12					
IR .						
IR Range	Up to 10 m IR range, 1 LED					
Wavelength	940 nm					
Compression Standard						
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub stream: H.265/H.264/MJPEG					
H.264 Type	Baseline Profile/ Main Profile / High Profile					
H.264+	Main stream supports					
H.265 Type	Main Profile					
H.265+	Main stream supports					
Video Bit Rate	32 Kbps to 16 Mbps					
SVC	H.265 and H.264 support					
Smart Feature-set						
Behavior Analysis	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection					
Exception Detection	Audio exception detection					
Region of Interest	4 fixed regions for main stream and sub-stream					
Image						
Max. Resolution	2400 × 1800					
Main Stream	50Hz: 25fps (2400 × 1800, 1280 × 1280)					
Max. Frame Rate	60Hz: 30fps (2400 × 1800, 1280 × 1280)					
Sub Stream	50Hz: 25fps (720 × 720, 720 × 480)					
Max. Frame Rate	60Hz: 30fps (720 × 720, 720 × 480)					
Image Enhancement	BLC, HLC, defog, 3D DNR					
Image Setting	Saturation, brightness, contrast, sharpness, AGC and white balance are adjustable by client software or web browser					
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In (-S)					
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format					
Live View Display						
Mount Type	Support corner mounting					
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Audio				
Environment Noise Filtering	Yes			
Audio Sampling Rate	8 kHz/16 kHz			
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM			
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2)			
Network				
Network Storage	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR			
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflicted, illegal login, HDD full, HDD error			
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SNMP IGMP, 802.1X, QoS, IPv6, UDP, Bonjour			
Security Measure	Password protection, HTTPS encryption, IEEE 802.1x port-based network access control, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF			
General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter			
Firmware Version	5.5.73			
API	Open Network Video Interface (PROFILE S, PROFILE G), ISAPI			
Simultaneous Live View	Up to 20 channels			
User/Host	Up to 32 users. 3 user levels, administrator, operator and user			
Client	iVMS-4200, iVMS-4500, Hik-Connect, iVMS-5200			
Web Browser	IE8+, Chrome31.0-44, Firefox 30.0-51, Safari8.0+			
Interface				
Communication Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet port			
Audio	1 Audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm); 1 built-in microphone			
Alarm	1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A			
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB			
Reset Button	Yes			
General				
Operating Conditions	-40 °C to +60 °C (-40 °F to +140 °F), Humidity 95% or less (non-condensing)			
Power Supply	12 VDC±20%, PoE (802.3af, class 0) -S model: two-core terminal block			
Power Consumption	12 VDC, 0.9 A, max. 11 W PoE (802.3af, 36 to 57 V), 0.3 A to 0.2 A, max. 12 W			
Protection Level	IP67, IK10+(50J)			
Material	Metal			
Dimensions	213.73 × 199.67 × 137.57 mm (8.4" × 7.86" × 5.42")			
Weight				
Approval				
Anti-Corrosion Protection	NEMA 4X Exterior environments: industrial areas with high humidity and aggressive atmosphere and coastal areas with high salinity; Interior environments: buildings or areas with almost permanent condensation and with high pollution.			



### - DORI

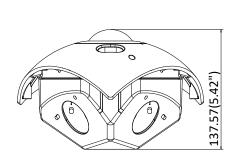
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

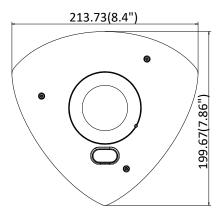
DORI	Detect	Observe	Recognize	Identify
Distance(2 mm)	43.2 m	17.2 m	8.6 m	4.3 m

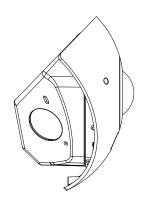
#### **Available Model**

DS-2CD6W45G0-IVS

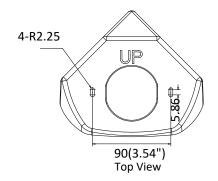
#### **Dimensions**

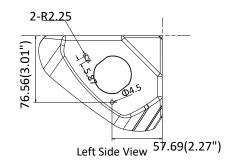


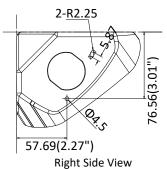




## Screw Hole







Unit: mm