

DC-Y6C16WRX

12MP Vandal-Resistant IR Fisheye Camera

NDA & TAA Compliant



360-DEGREE ALL-AROUND SURVEILLANCE AND BUSINESS INTELLIGENCE SOLUTION

The DC-Y6C16WRX is equipped with a 1/2.3" CMOS sensor providing 2944x2944 high-resolution video, achieving 360-degree all-around surveillance with a single 1.6mm fisheye lens. It ensures clear identification in backlit or nighttime conditions using 120dB True WDR and IR LEDs with a 15m range. The camera enhances monitoring efficiency through various dewarping modes and intelligent video analytics, including heatmaps and intrusion detection. With IP67 and IK10 ratings, it operates reliably in outdoor and high-impact environments, while Smart Failover technology ensures data continuity during network interruptions. This model is optimized for large open spaces such as retail stores, lobbies, and parking lots that require wide-area coverage and business intelligence.

KEY FEATURES

- Easy installation with DirectIP NVR
- 12MP Sensor / 8.6MP (2944 x 2944) resolution
- Fixed-focal lens (f=1.6mm)
- Two-way audio
- Alarm in / out
- IK10 / IP67 supports
- PoE (IEEE 802.3af Class 3), 12V DC
- Day and night (ICR)
- True wide dynamic range (WDR)
- IR LED (Distance : 15m / 49.2ft)
- Various viewing composition, 6 dewarping view modes
- Supports ONVIF

DC-Y6C16WRX | Datasheet

VIDEO	
Image Sensor	1/2.3" CMOS
Max. Resolution	2944 x 2944
Scanning Mode	Progressive Scan
Lens Type	Fixed-focal
Focal Length	1.6mm
Aperture	F2.0
Iris Control	Fixed Iris
Angular Field of View	180°(H), 180°(V), 180°(D)
Min. Illumination	Color : 0.3 lux @ F2.0 B/W : 0 lux @ (IR LED ON)
Dynamic Range	120dB (True WDR)
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10,000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)
Day and Night	Yes (ICR)
IR Distance (LEDs)	15m / 49.2ft (4ea)
Image Setting	Exposure, White Balance, Self-Adjusting Video Mode(Sharpness, Contrast, Colors, Brightness Control), 3DNR Level, WDR Level
Backlight Compensation	-
Mirroring / Pivot	Horizontal / Vertical
De-fog	Yes
Privacy Masking	8 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone, Heatmap
Viewing Composition	1O, 1P, 1P2R, 2P, 4R, 1O7R
Video Out	-
NETWORK	
Video Compression	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Yes
Bitrate Control	H.264 - CBR / VBR, H.265 - CBR / VBR
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Two-way Audio	Yes
IP Camera Protocol	DirectIP 2.0, ONVIF Profile S/T
Max. Frame Rate	30ips : 2944 X 2944 15ips : 2944 x 2944 (WDR)
Supported Resolution	2944x2944, 2208x2208, 2944x1472, 1472x1472, 768x768, 736x736, 768x384

Multi-video Streaming	Quadruple Streaming
Network Protocols	DirectIP 2.0 Protocol, IPv4, IPv6, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP RTSP/TCP, HTTP, HTTPS, FTP, SNMP, SMTP, FEN, mDNS, uPNP, SNMPv2
Security	Digest authentication, Password Protection, User access log, IP Filtering, IEEE802.1x(EAP-TLS), Chained Fingerprint, SSL Encryption, HTTPS Encryption
Ethernet	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSrec)	Yes (Up to 60MB)
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)

ALARM AND EVENT

Trigger Event	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone, Heatmap
Event Notification	Remote S/W, Email (with Image)
Audio Alarm	Yes
Audio In / Out	1(Built In MIC)+1 / 1
Alarm In / Out	1 / 1

ENVIRONMENTAL

Vandal Proof Casing	IK10
Outdoor Ready	IP67
Operating Temperature	-30°C ~ 50°C (-22°F ~ 122°F)
Operating Humidity	0% ~ 90%

ELECTRICAL

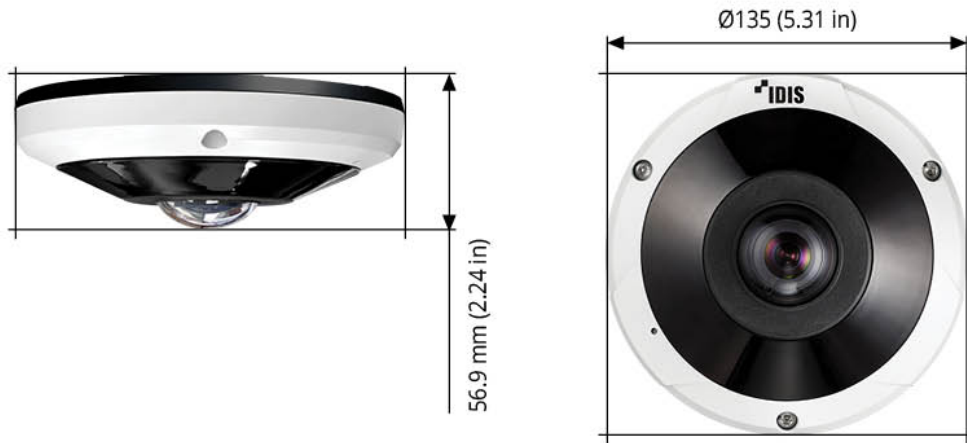
Power Source	12VDC, PoE (IEEE 802.3af Class 3)
Power Consumption	12V=, 0.94A, 11.3W PoE, IEEE 802.3af(Class 3), 10.6W
Approval	FCC, CE, UL, KC

MECHANICAL

Dimensions	Ø135 x 56.9mm(Ø5.31" x 2.24")
Weight	0.67kg (1.47lb)

DIMENSIONS

Unit - mm (inch)



DC-Y6C16WRX | Compatible Accessories

ENVIRONMENT

CONFIGURATION

Wall



Tilt Mount
DA-TM4200

OR



**MOUNT
ADAPTER**
DA-MA4200

+



WALL MOUNT
DA-WM2050

OR




JUNCTION BOX
DA-JB4600

ENVIRONMENT


CONFIGURATION

Ceiling




Tilt Mount
DA-TM4200

OR




MOUNT ADAPTER
DA-MA4200

+




CEILING MOUNT
DA-CM2050

OR




JUNCTION BOX
DA-JB4600

Pole




MOUNT ADAPTER
DA-MA4200

+




WALL MOUNT
DA-WM2050

+




Pole Mount
DA-LM2000

OR




JUNCTION BOX
DA-JB4600

+




Pole Mount
DA-LM2000

OR



Tilt Mount
DA-TM4200

+



Pole Mount
DA-LM2000

ENVIRONMENT

CONFIGURATION

Corner



MOUNT ADAPTER
DA-MA4200

+




WALL MOUNT
DA-WM2050

+




Corner Mount
DA-RM2000

OR




JUNCTION BOX
DA-JB4600

+




Corner Mount
DA-RM2000

OR



Tilt Mount
DA-TM4200

+



Corner Mount
DA-RM2000