

DC-D4811WRX 3.3mm

8MP Vandal-Resistant IR Dome Camera

NDA & TAA Compliant



4K ULTRA HD OUTDOOR FIXED DOME CAMERA WITH WIDE-ANGLE COVERAGE

The DC-D4811WRX 3.3mm features a 1/2.8" CMOS sensor delivering 4K (3840 x 2160) high-resolution video, with a 3.3mm fixed-focal lens providing a wide 101.3-degree horizontal field of view. It ensures clear identification in challenging lighting conditions through 120dB True WDR and IR LEDs with a 30m range. Supporting DirectIP 2.0 for seamless integration, the camera optimizes bandwidth using H.265 and Intelligent Codec, while Smart Failover technology prevents data loss by supporting up to 512GB of edge storage during network disruptions. With IP67-rated weather resistance and IK10-rated vandal resistance, it offers reliable performance in outdoor and high-impact environments, making it ideal for building perimeters, parking lots, and commercial facilities requiring broad area surveillance.

KEY FEATURES

- 8MP(3840x2160) resolution
- Fixed-focal lens (f=3.3mm)
- micro SD/SDHC/SDXC
- Two-way audio
- Alarm in / out
- IK10 / IP67 supports
- PoE (IEEE 802.3af Class 3)
- Day and night (ICR)
- True wide dynamic range (WDR)
- IR LED (Distance : 20 m / 65.6 ft)
- 3-axis mechanical design for installation
- Easy installation with DirectIP NVR
- Supports ONVIF

DC-D4811WRX 3.3mm | Datasheet

VIDEO	
Image Sensor	1/2.8" CMOS
Max. Resolution	3840 x 2160
Scanning Mode	Progressive Scan
Lens Type	Fixed-focal
Focal Length	3.3mm
Aperture	F2.0
Iris Control	Fixed Iris
Angular Field of View	101.3° (H) 54.5°(V) 119.7°(D)
Min. Illumination	COLOR : 0.2 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)	30m / 98.4 ft (4ea)
Image Setting	Exposure, White Balance, Self-Adjusting Video Mode(Sharpness, Contrast, Colors, Brightness Control)
Backlight Compensation	BLC
Mirroring / Pivot	Horizontal / Vertical / Pivot
Image Stabilizer	-
De-fog	Yes
Privacy Masking	8 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone
Video Out	-

PAN/TILT/ROTATE	
Pan Range	-170° ~ 170°
Tilt Range	-5° ~ 67.5°
Rotate Range	-109° ~ 109°

NETWORK	
Video Compression	H.265, H.264 (MP), M-JPEG
Intelligent Codec	Yes
Bitrate Control	H.265 - CBR / VBR, H.264 - 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 : 3840 x 2160 15ips : 3840 x 2160(WDR)
Supported Resolution	3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360
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
Event Notification	Remote S/W, Email (with Image)
Audio Alarm	Yes
Audio In / Out	1 / 1
Alarm In / Out	1 / 1

ENVIRONMENTAL

Vandal Proof Casing	IK10
Outdoor Ready	IP67
Operating Temperature	-20°C ~ +55°C (-4°F ~ +131°F) *Starting up at above 0°C (32°F)
Operating Humidity	0% ~ 90%

ELECTRICAL

Power Source	PoE (IEEE 802.3af Class 3)
Power Consumption	PoE, (IEEE 802.3af Class 3), 9.0W
Approval	FCC, CE, KC

MECHANICAL

Dimensions	Ø120.6 x 92.9mm(Ø4.75" x 3.66")
Weight	0.48kg (1.06lb)

DIMENSIONS

Unit - mm (inch)



DC-D4811WRX 3.3mm | Compatible Accessories

ENVIRONMENT

CONFIGURATION

Wall



JUNCTION BOX
DA-JB4700

OR



MOUNT ADAPTER
DA-MA4300

+



WALL MOUNT
DA-WM2050

Ceiling



JUNCTION BOX
DA-JB4700

OR



MOUNT ADAPTER
DA-MA4300

+



CEILING MOUNT
DA-CM2050

ENVIRONMENT

CONFIGURATION



Pole

 +  + 
MOUNT ADAPTER
DA-MA4300

WALL MOUNT
DA-WM2050



Pole Mount
DA-LM2000

OR

 + 
JUNCTION BOX
DA-JB4700

Pole Mount
DA-LM2000

OR

 + 
JUNCTION BOX
DA-JB4600

Pole Mount
DA-LM2000



Corner

 +  + 
MOUNT ADAPTER
DA-MA4300

WALL MOUNT
DA-WM2050



Corner Mount
DA-RM2000

OR

 + 
JUNCTION BOX
DA-JB4700

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