## DC-D4811WRX 3.3mm

# 8MP Vandal-Resistant IR Dome Camera

NDAA & 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 (1/3 ~ 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 | -135° ~ 135° |

## 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 a-Law/u-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, SNTP, SMTP, FEN, mDNS, uPNP, SNMPv2 |
| Security | Digest authentication, Password Protection, User access log, IP Filtering, IEEE802.1x(EAP-TLS), Claimed Fingerprint, SSL Encryption, HTTPS Encryption |
| Ethernet | RJ45 (10/100BASE-T) |
| Recording Session Buffer (NLTSrec) | Yes (Up to 80MB) |
| 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 | -30°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 |

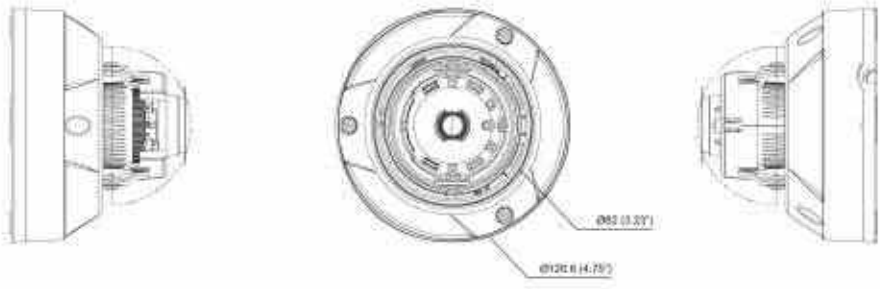
## MECHANICAL

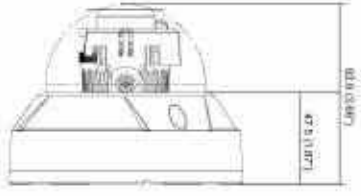
| | |
|---|---|
| Dimensions | Ø120.8mm x 92.9mm(Ø4.75" x 3.66") |
| Weight | 0.48kg (1.06lb) |

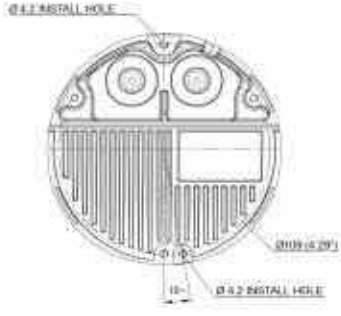
## DORI

| | |
|---|---|
| Detect (25PPM) | 63m (206.6ft) |
| Observe (63PPM) | 25m (82ft) |
| Recognize (125PPM) | 12.6m (41.3ft) |
| Identify (250PPM) | 6.3m (20.6ft) |

## DIMENSIONS


Ø82 (3.23")
Ø120.6 (4.75")


47.5 (1.87")


Ø 4.2 INSTALL HOLE
Ø109 (4.29")
Ø 4.2 INSTALL HOLE

# 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<br>OR<br>  Junction Box DA-JB4700 +  Pole Mount DA-LM2000<br>OR<br>  Junction Box DA-JB4600 +  Pole Mount DA-LM2000 |
| Corner |  Mount Adapter DA-MA4300 +  Wall Mount DA-WM2050 +  Corner Mount DA-RM2000<br>OR<br>  Junction Box DA-JB4700 +  Corner Mount DA-RM2000<br>OR<br>  Junction Box DA-JB4600 +  Corner Mount DA-RM2000 |