

DC-D4516WRX 2.8mm

5MP Vandal-Resistant IR Dome Camera

NDA & TAA Compliant



5MP FIXED-FOCAL DOME CAMERA WITH WIDE-ANGLE COVERAGE AND ROBUST RELIABILITY

The DC-D4516WRX features a 1/2.8" CMOS sensor delivering 5MP (2592 x 1944) high-resolution video, paired with a 2.8mm fixed-focal lens for wide-angle coverage. It ensures clear image quality in challenging lighting conditions through 120dB True WDR and IR LEDs with a 30m range. The camera optimizes bandwidth and storage using H.265 and Intelligent Codec technology, while Smart Failover ensures continuous recording during network interruptions. With IP67-rated weather resistance and IK10-rated vandal resistance, it provides reliable performance in both indoor and outdoor environments. This model is ideal for commercial facilities, office buildings, and residential perimeters where high-definition wide-area monitoring and durability are essential.

KEY FEATURES

- Easy installation with DirectIP NVR
- 5MP (2592x1944) resolution
- Fixed-focal lens (f=2.8mm)
- 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 : 30m / 98.4ft)
- 3-axis mechanical design for installation
- Supports ONVIF

DC-D4516WRX 2.8mm | Datasheet

VIDEO	
Image Sensor	1/2.8" CMOS
Max. Resolution	2592 x 1944
Scanning Mode	Progressive Scan
Lens Type	Fixed-focal
Focal Length	2.8mm
Aperture	F2.0
Iris Control	Fixed Iris
Angular Field of View	4:3 mode : 104.8° (H) 76.9°(V) 130°(D) 16:9 mode : 104.8° (H) 57.1°(V) 122.9°(D)
Min. Illumination	COLOR : 0.15 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	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)
Supported Resolution	4:3 : 2592x1944, 1920x1440, 1280x960x 640x480 16:9 : 2592x1456, 1920x1080, 1280x720, 640x360
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	-30°C ~ +55°C (-22°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), 7.6W
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-D4516WRX 2.8mm | 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 **Corner Mount**
DA-RM2000

OR

 + 
JUNCTION BOX
DA-JB4600 **Corner Mount**
DA-RM2000