DC-D4216RX 2.8mm

Full HD IR Dome Camera

NDAA & TAA Compliant



COMPACT FULL HD DOME NETWORK CAMERA WITH WIDE-ANGLE LENS AND BUILT-IN AUDIO

The DC-D4216RX 2.8mm features a 1/2.8" CMOS sensor delivering 1080p Full HD resolution, paired with a 2.8mm fixed-focal lens for a wide 111.6-degree horizontal field of view. It maintains image clarity in challenging lighting with 120dB True WDR and ensures reliable night vision up to 30m using IR LEDs. Supporting DirectIP 2.0 for seamless system integration, the camera utilizes H.265 and Intelligent Codec to optimize bandwidth and storage efficiency. It includes a built-in microphone for audio monitoring and Smart Failover technology to prevent data loss via local SD card recording. With its compact Ø110mm form factor and PoE (Class 2) support, this model is designed for easy installation and is ideal for indoor environments such as offices, retail stores, and corridors.

KEY FEATURES

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Fixed-focal lens (f=2.8mm)
- micro SD/SDHC/SDXC
- Two-way audio
- Alarm in / out
- PoE (IEEE 802.3af Class 2)
- Day and night (ICR)
- True wide dynamic range (WDR)
- IR LED (Distance : 30 m / 98.4 ft)
- 3-axis mechanical design for installation
- Supports ONVIF

DC-D4216RX 2.8mm | Datasheet

VIDEO

Image Sensor	1/2.8" CMOS
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	Fixed-focal
Focal Length	2.8mm
Aperture	F2.0
Iris Control	Fixed iris
Angular Field of View	111.6°(H), 61.45°(V), 127.3°(D) (f=2.8mm)
Min. Illumination	COLOR : 0.1 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	-139° ~ 139°

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, 1920 x 1080 (WDR)
Supported Resolution	1920x1080, 1280x720, 640x360, 352x240
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(Built-in MIC)*1 / 1
Alarm In / Out	1 / 1

ENVIRONMENTAL

Vandal Proof Casing	-
Outdoor Ready	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)
Operating Humidity	0% ~ 90%

ELECTRICAL

Power Source	PoE IEEE 802.3af (Class 2)
Power Consumption	PoE, IEEE 802.3af (Class 2), 4.6W
Approval	UL, FCC, CE, KC

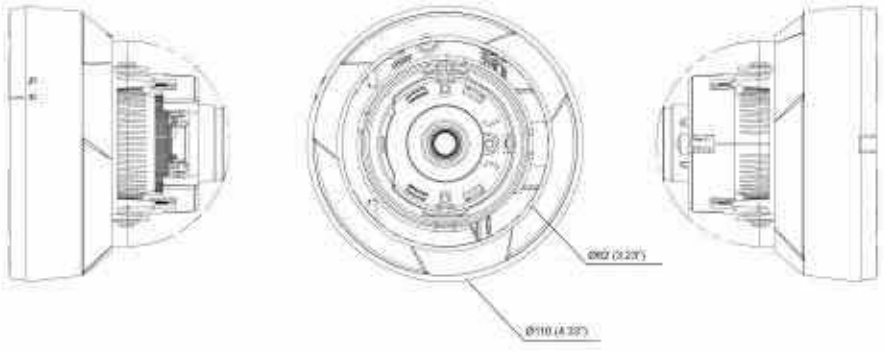
MECHANICAL

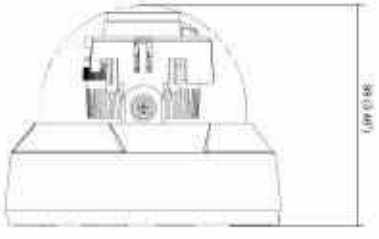
Dimensions	Ø110mm x 88mm(Ø4.33" x 3.46")
Weight	0.26kg(0.57lb)

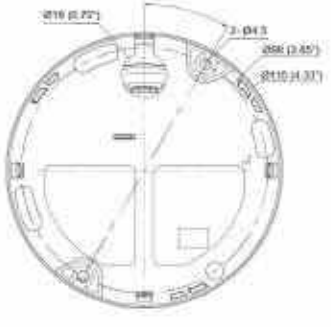
DORI

Detect (25PPM)	26.1m (85.6ft)
Observe (63PPM)	10.4m (34ft)
Recognize (125PPM)	5.2m (17.1ft)
Identify (250PPM)	2.6m (8.6ft)

DIMENSIONS


Ø82 (3.23")
Ø110 (4.33")


89.5 (3.52")


Ø18 (0.72")
3 - Ø4.5
Ø68 (2.68")
Ø110 (4.33")

DC-D4216RX 2.8mm | Compatible Accessories

ENVIRONMENT	CONFIGURATION
Wall	 Wall Mount DA-WM4300
Etc	 Flush Mount DA-FM4100