

DC-D4217RX 2.8mm

Full HD IR Dome Camera



COMPACT FULL HD DOME CAMERA WITH WIDE-ANGLE COVERAGE AND CLEAR IMAGING

The DC-D4217RX features a 1/2.8" CMOS sensor delivering 1080p Full HD resolution, paired with a 2.8mm fixed-focal lens that provides a wide 111.6-degree horizontal field of view. Equipped with 120dB True WDR, it ensures clear identification of subjects in challenging lighting conditions, while IR LEDs with a 20m range enable reliable nighttime monitoring. It optimizes bandwidth and storage through H.265 and Intelligent Codec technology and supports DirectIP 2.0 for seamless system integration. With its lightweight 0.242kg design and PoE support, the camera offers high installation flexibility, making it an ideal solution for indoor environments such as offices, retail stores, and corridors.

KEY FEATURES

- Full HD (1080p) resolution
- Fixed-focal lens (f=2.8mm)
- PoE (IEEE 802.3af Class 2)
- Day and night (ICR)
- True wide dynamic range (WDR)
- IR LED (Distance : 20 m / 65.6 ft)
- Easy installation with DirectIP NVR
- 3-axis mechanical design for installation
- Supports ONVIF

DC-D4217RX 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 (1/30 ~ 1/10,000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)
Day and Night	Yes (ICR)
IR Distance (LEDs)	20m / 65.6 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	-

Two-way Audio	-
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), Chained Fingerprint, SSL Encryption, HTTPS Encryption
Ethernet	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSec)	Yes (Up to 60MB)
Edge Storage	-

ALARM AND EVENT

Trigger Event	Motion Detection, Tampering, Trip Zone
Event Notification	Remote S/W, Email (with Image)
Audio Alarm	-
Audio In / Out	-
Alarm In / Out	-

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), 3.8W
Approval	FCC, CE, KC

MECHANICAL

Dimensions	Ø130 x 81.4mm(Ø5.2" x 3.2")
Weight	0.242Kg(0.53lb)

DIMENSIONS

Unit - mm (inch)



DC-D4217RX 2.8mm | Compatible Accessories

ENVIRONMENT	CONFIGURATION
Wall	 Wall mount DA-WM4200