DC-D4211CRX 2.8mm

Full HD Micro Dome Camera

NDAA & TAA Compliant



COMPACT FULL HD WIDE-ANGLE FIXED-FOCAL DOME CAMERA FOR OPTIMIZED SPACE EFFICIENCY

The IDIS DC-D4211CRX features a 1/2.8" CMOS sensor delivering Full HD (1920x1080) resolution at 30ips, equipped with a 2.8mm fixed lens for a wide 113.7-degree horizontal field of view. It ensures clear image quality in challenging lighting conditions with 120dB True WDR and provides reliable night vision up to 15 meters via integrated IR LEDs. The camera optimizes bandwidth through H.265 and Intelligent Codec technology and includes intelligent video analytics such as motion detection and trip zone monitoring. With its compact Ø85mm form factor and lightweight 0.1kg design, it offers easy installation and operates efficiently on PoE. This model is ideal for indoor environments like retail stores, offices, and corridors where discreet, wide-angle surveillance is required.

KEY FEATURES

- Full HD (1080p) resolution
- Fixed-focal lens (f=2.8mm)
- Day and night (ICR)
- True wide dynamic range (WDR)
- IR LED (Distance : 15m / 49.2ft)
- PoE (IEEE 802.3af (Class 2)
- 3-axis mechanical design for installation
- Easy installation with DirectIP NVR
- Supports ONVIF

DC-D4211CRX 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	113.74°(H), 61.5°(V), 134.5°(D)
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)	15m / 49.2 ft (1ea)
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	0° ~ 65°
Rotate Range	-90° ~ 90°

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), Claimed Fingerprint, SSL Encryption, HTTPS Encryption
Ethernet	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSrec)	Yes (Up to 80MB)
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), 3.6W
Approval	FCC, CE, KC

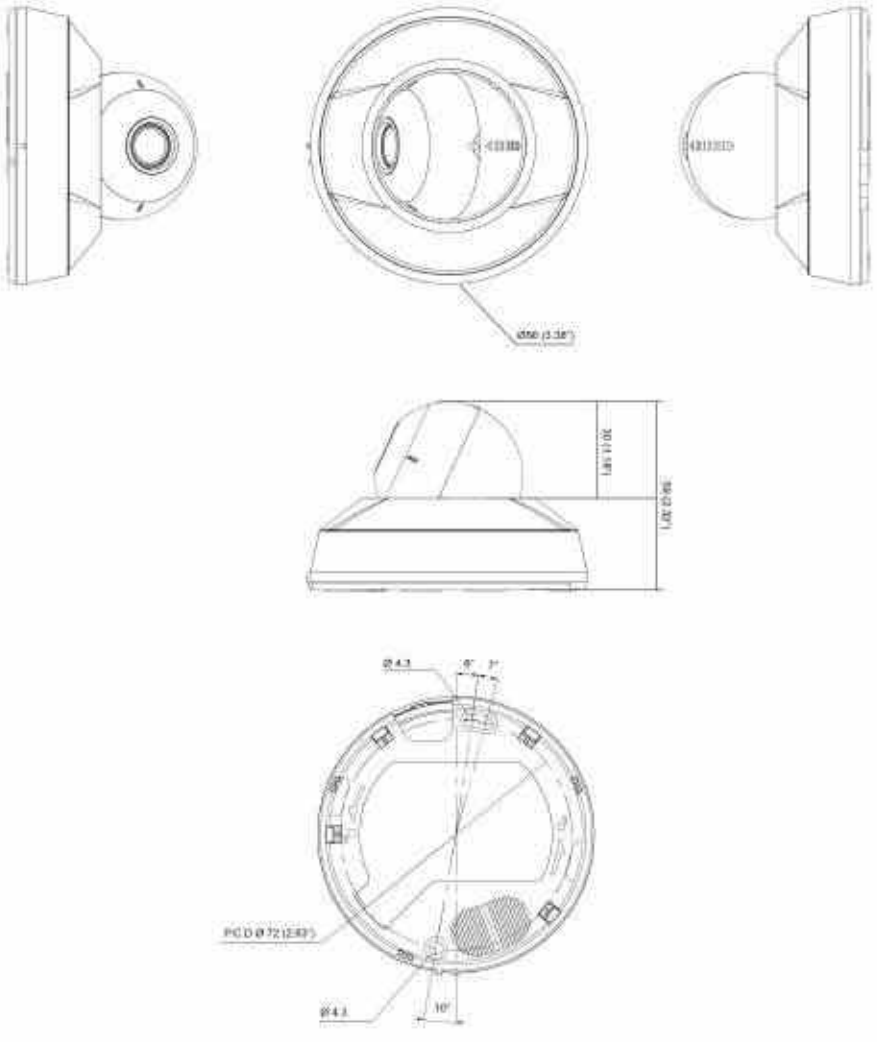
MECHANICAL

Dimensions	Ø86mm x 59mm (Ø3.39" x 2.32")
Weight	0.10kg (0.1lb)

DORI

Detect (25PPM)	25.3m (82.2ft)
Observe (63PPM)	9.9m (32.4ft)
Recognize (125PPM)	5m (16.4ft)
Identify (250PPM)	2.5m (8.2ft)

DIMENSIONS


Ø86 (3.38")
PCD Ø 72 (2.83")

DC-D4211CRX 2.8mm | Compatible Accessories

ENVIRONMENT	CONFIGURATION
Wall	 Wall Mount DA-WM4100