

DC-M4211WRX 2.8mm

Full HD Vandal-Resistant Shock and vibration Resistant IR Dome Camera

NDA & TAA Compliant



COMPACT FULL HD MOBILE CAMERA FOR RELIABLE PERFORMANCE IN HARSH ENVIRONMENTS

The IDIS DC-M4211WRX features a 1/2.8" CMOS sensor delivering 1080p Full HD resolution at 30fps, with 120dB True WDR ensuring clear image quality even in high-contrast lighting conditions. Equipped with a 2.8mm fixed lens for a wide field of view, it includes an internal microphone and intelligent video analytics for enhanced monitoring capabilities. Compliant with IP67, IK10, and MIL-STD-810G standards, the camera ensures stable operation against vibration, shock, and moisture, while Smart Failover technology prevents data loss during network interruptions. Its compact form factor and high reliability make it an ideal solution for public transportation such as buses and trains, as well as industrial sites and outdoor environments prone to physical stress.

KEY FEATURES

- Anti-vibration On-Board Camera
- Full HD (1080p) Resolution
- Fixed-focal Lens (f=2.8mm)
- micro SD/SDHC/SDXC
- Internal Mic
- IK10 / IP67 Supports
- PoE (IEEE 802.3af Class 3)
- Day and Night (ICR)
- True Wide Dynamic Range (WDR)
- IR LED (Distance : 10m / 32.81ft)
- 3-axis Mechanical Design for Installation
- Supports ONVIF

DC-M4211WRX 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)
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)	10 m
Image Setting	Configurable Exposure, White Balance, Sharpness
Backlight Compensation	BLC
Mirroring / Pivot	Horizontal / Vertical / Pivot
Image Stabilizer	-
De-fog	-
Privacy Masking	8 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone
Video Out	1 CVBS

PAN/TILT/ROTATE

Pan Range	-5° ~ +5°
Tilt Range	+20° ~ +75°
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	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law

Two-way Audio	-
IP Camera Protocol	DirectIP 2.0, ONVIF
Max. Frame Rate	30ips : 1920 x 1080(WDR)
Supported Resolution	16:9 - 1920x1080, 1280x720, 640x360, 352x240 4:3 - 1440x1080, 960x720, 480x360, 272x240
Multi-video Streaming	Triple Streaming
Network Protocols	DirectIP 2.0 Protocol, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, Upnp
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 256GB)

ALARM AND EVENT

Trigger Event	Motion Detection, Audio detection, Tampering, Trip Zone
Event Notification	Remote S/W, Email (with Image)
Audio Alarm	-
Audio In / Out	1(Internal MIC) / 0
Alarm In / Out	-

ENVIRONMENTAL

Vandal Proof Casing	IK10
Outdoor Ready	IP67
Operating Temperature	-30°C ~ +55°C (-22°F ~ +122°F) *Starting up at above 0°C (32°F)
Operating Humidity	0% ~ 90%

ELECTRICAL

Power Source	PoE (IEEE 802.3af Class 3)
Power Consumption	8.9W
Approval	FCC, CE, MIL-STD-810G EN50155(M12 model only)

MECHANICAL

Dimensions (W x H x D)	104mm x 49.44mm x 122.17mm (4.09" x 1.95" x 4.81")
Weight	0.36Kg (0.79lbs)

DIMENSIONS

Unit - mm (inch)

