

DC-T4238HRA

H.265 2MP AI Bullet Camera (LightMaster NIR)

NDAA & TAA Compliant



2MP VARI-FOCAL BULLET CAMERA WITH INTELLIGENT ANALYTICS AND ALL-WEATHER DURABILITY

The DC-T4238HRA features a 1/2.8" CMOS sensor delivering Full HD resolution at up to 60fps, with a 2.8–12mm motorized vari-focal lens for precise remote focal adjustment. It ensures clear identification in challenging lighting conditions through 120dB True WDR and IR LEDs with a 50m range. Equipped with the IDLA (Intelligent Deep Learning Analytics) engine, it provides advanced video analytics including object classification (human, vehicle, face) and detection of intrusion or loitering. With IP67 and IK10 ratings and a built-in heater, the camera operates reliably in harsh outdoor environments down to -40°C, while Smart Failover technology prevents data loss during network interruptions. It is ideal for perimeter security, industrial sites, and parking facilities requiring precise object analysis and high durability.

KEY FEATURES

- 2MP (1920 x 1080) resolution
- IDIS Deep-Learning Analytics (IDLA)
- IR LED (50 m / 164 ft (6 ea))
- NIR Sensor
- Day and night (ICR)
- True wide dynamic range (WDR)
- Easy installation with DirectIP NVR
- H.265 and Intelligent Codec
- PoE (IEEE 802.3af Class 3)
- IK10, IP67
- Alarm in / out
- Audio in / out
- Built-in heater
- micro SD/SDHC/SDXC
- Supports ONVIF

DC-T4238HRA | Datasheet

VIDEO	
Image Sensor	1/2.8" CMOS
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	Motorized Vari-focal
Focal Length	2.8 ~ 12mm
Aperture	F1.4 ~ F3.1
Iris Control	DC Iris
Angular Field of View	Wide : 105.7°(H) 55.3°(V) 126.4°(D) Tele : 34°(H) 19.1°(V) 39.1°(D)
Min. Illumination	COLOR : 0.1 lux @ F1.4 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)	50 m / 164 ft (6 ea)
Image Setting	Exposure, White Balance, Self-Adjusting Video Mode(Sharpness, Contrast, Colors, Brightness Control)
Backlight Compensation	-
Mirroring / Pivot	Horizontal / Vertical / Pivot
Image Stabilizer	-
De-fog	Yes
Privacy Masking	8 Zones
Intelligent Video	Object Metadata: Human, Vehicle, Face IDLA: Object Detection, Intrusion, Loitering, Line Crossing, Face Detection ETC: Video Motion Detection, Active Tampering Alarm
Video Out	-

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	Opus, 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	60ips : 1920 x 1080 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, 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, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection
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, Heater
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) *Starting up at above -20°C (-4°F)
Operating Humidity	0% ~ 90%

ELECTRICAL

Power Source	12VDC, PoE IEEE 802.3af (Class 3)
Power Consumption	12V=, 1.1A, 13.2W PoE, IEEE 802.3af (Class 3), 8.3W
Approval	FCC, CE, KC

MECHANICAL

Dimensions	89.3mm X 89.3mm X 277.6mm (3.52" x 3.52" x 10.93")
Weight	1.293kg (2.85lb)

DIMENSIONS

Unit - mm (inch)



DC-T4238HRA | Compatible Accessories

ENVIRONMENT	CONFIGURATION
Wall	 Junction Box DA-JB4150
	OR
	 Junction Box DA-JB2400
Pole	 Pole Mount DA-LM2000
	+
	 Junction Box DA-JB2400
	OR
	 Junction Box DA-JB4150
	+
	 Pole Mount DA-LM2000
Corner	 Junction Box DA-JB4150
	+
	 Corner Mount DA-RM2000
	OR
	 Corner Mount DA-RM2000
	+
	 Junction Box DA-JB2400