

DC-T4538WRA

H.265 5MP Bullet Camera (LightMaster NIR)

NDAA & TAA Compliant



5MP OUTDOOR BULLET CAMERA WITH DEEP LEARNING ANALYTICS AND MOTORIZED VARI-FOCAL LENS

The DC-T4538WRA features a 1/2.8" CMOS sensor delivering 5MP (2592x1944) high-resolution video, with a 2.7~13.5mm motorized vari-focal lens for precise remote field-of-view adjustment. Equipped with 120dB True WDR and 40m IR distance, it ensures clear identification of subjects in challenging lighting conditions, including backlight and complete darkness. The integrated IDLA (Intelligent Deep Learning Analytics) engine enables accurate object classification—such as humans, vehicles, and faces—and supports advanced analytics including intrusion, loitering, and line crossing detection. With IP67-rated weather resistance, IK10-rated vandal protection, and a built-in heater for operation down to -40°C, this camera ensures reliability in harsh environments. It is an ideal solution for industrial sites, parking lots, and perimeter security where high-resolution monitoring and intelligent object recognition are required.

KEY FEATURES

- Easy installation with DirectIP NVR
- PoE (IEEE 802.3af Class 3)
- IDIS Deep-Learning Analytics (IDLA)
- H.265 and Intelligent Codec
- IR LED (Distance: 40 m / 131.2 ft)

DC-T4538WRA | Datasheet

VIDEO

Image Sensor	1/2.8" CMOS
Max. Resolution	2592 x 1944
Scanning Mode	Progressive Scan
Lens Type	Motorized Vari-focal
Focal Length	2.7 ~ 13.5mm
Aperture	F1.4 ~ F3.2
Iris Control	DC Iris
Angular Field of View	[4:3 mode] Wide : 101.2°(H) 72.6°(V) 137.4°(D) Tele : 30.4°(H) 22.8°(V) 38°(D) [16:9 mode] Wide : 101.7°(H) 53.3°(V) 121.6°(D) Tele : 30.2°(H) 17°(V) 34.7°(D)
Min. Illumination	COLOR : 0.13 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)	40m / 131.2 ft (6ea)
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	4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)
Supported Resolution	4:3 : 2592x1944, 1920x1440, 1280x960, 640x480 16:9 : 2592x1456, 1920x1080, 1280x720, 640x360

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 ~ +55°C (-40°F ~ +131°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=, 1A, 12W PoE, IEEE 802.3af(Class 3), 9.7W
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-T4538WRA | Compatible Accessories

ENVIRONMENT	CONFIGURATION
Wall	 Junction Box DA-JB4150
	OR
	 Junction Box DA-JB2300
	OR
	 Junction Box DA-JB2400
Pole	 Junction Box DA-JB4150  Pole Mount DA-LM2000
	OR
	 Junction Box DA-JB2300  Pole Mount DA-LM2000
	OR
	 Pole Mount DA-LM2000  Junction Box DA-JB2400

ENVIRONMENT

CONFIGURATION

Corner



Junction Box
DA-JB4150

+



Corner Mount
DA-RM2000

OR



Junction Box
DA-JB2300

+



Corner Mount
DA-RM2000

OR



Corner Mount
DA-RM2000

+



Junction Box
DA-JB2400