

DC-T4831HRX

8MP IR Bullet Camera with Heater

NDAA & TAA Compliant



4K OUTDOOR BULLET CAMERA WITH MOTORIZED VARI-FOCAL LENS

The DC-T4831HRX features a 1/2.8" CMOS sensor delivering 4K (8MP) high-resolution video, with a 2.7~13.5mm motorized vari-focal lens for precise remote focal length adjustment. It ensures clear identification in challenging lighting conditions through 120dB True WDR and IR LEDs with a 40m range. The camera optimizes bandwidth using H.265 and Intelligent Codec, while Smart Failover technology prevents data loss during network disruptions by recording to a micro SD card. With IP67, IK10 ratings, and a built-in heater, it operates reliably in harsh outdoor environments down to -40°C. This model is ideal for outdoor security applications requiring high-definition monitoring and durability, such as perimeter surveillance, parking lots, and industrial sites.

KEY FEATURES

- Easy installation with DirectIP NVR
- 8MP (3840x2160) resolution
- Motorized Vari-focal lens (f=2.7 - 13.5mm)
- micro SD/SDHC/SDXC, Smart Failover
- Two-way audio
- Alarm in / out
- IK10 / IP67 supports
- Built-in heater
- PoE (IEEE 802.3af Class 3), 12V DC
- Day and night (ICR)
- True wide dynamic range (WDR)
- IR LED (Distance : 40m / 131.2ft)
- 3-axis mechanical design for installation
- Supports ONVIF

DC-T4831HRX | Datasheet

VIDEO

Image Sensor	1/2.8" CMOS
Max. Resolution	3840 x 2160
Scanning Mode	Progressive Scan
Lens Type	Motorized Vari-focal
Focal Length	2.7 ~ 13.5mm
Aperture	F1.8 ~ F3.32
Iris Control	DC Iris
Angular Field of View	Wide : 110.6°(H) 57.3°(V) 134.1°(D) Tele : 32.6°(H) 18.3°(V) 37.4°(D)
Min. Illumination	COLOR : 0.2 lux @ F1.8 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)	40 m / 131.2 ft (6 ea)
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	-

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	Yes
IP Camera Protocol	DirectIP 2.0, ONVIF Profile S/T
Max. Frame Rate	30ips : 3840x2160 15ips : 3840x2160(WDR)
Supported Resolution	3840x2160, 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 (NLTSec)	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, Trip Zone
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=, 1.1A, 13.2W PoE, IEEE 802.3af(Class 3), 11.7W
Approval	FCC, CE, UL, KC

MECHANICAL

Dimensions	80mm X 75mm X 237mm(3.15" x 2.95" x 9.33")
Weight	1.01kg (2.22lb)

DIMENSIONS

Unit - mm (inch)



DC-T4831HRX | Compatible Accessories

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

ENVIRONMENT

CONFIGURATION

Corner



Corner Mount
DA-RM2000

+



Junction Box
DA-JB2400

OR



Junction Box
DA-JB4150

+



Corner Mount
DA-RM2000