

Bi-spectrum Turret IP Camera

256x192 Thermal, 2560x1440 Optical



The R2-THRMLTRT is a bi-spectrum IP turret camera with dual lens (thermal and optical) which supports temperature measurement and intelligent analysis for perimeter protection, smoke detection and early fire prevention.

FEATURES

- UNCOOLED VOX MICRO BOLOMETER AND CMOS SENSOR
- 3.5MM FIXED THERMAL LENS (256x192 RESOLUTION), 4MM FIXED OPTICAL LENS (2560x1440 EFFECTIVE RESOLUTION)
- INTELLIGENT ANALYSIS: HUMAN, VEHICLE, FIRE AND SMOKE DETECTION
- IMAGE PROCESSING: DVE, 3D DNR, WDR
- SMART IR DISTANCE UP TO 35M (114.8 FT)
- BUILT-IN MICROPHONE AND SPEAKER SUPPORT SOUND-LIGHT ALARM
- BUILT-IN SD CARD SLOT
- POE (12/24 VDC)
- IP66 RATED
- WARRANTY: 36 MONTHS
- PART #: R2-THRMLBL
- UPC: 840049308435
- DIMENSIONS: Ø5.51" × 4.64"
- WEIGHT: 2.27 LB



FOR MORE INFORMATION, CONTACT YOUR ADI SALES PERSON.

THERMAL CAMERA

IMAGE SENSOR	VANADIUM OXIDE UNCOOLED FOCAL PLANE ARRAYS
RESOLUTION	256×192, IMAGE CAN BE SCALED UP TO 704×576
PIXEL PITCH	12 UM
SPECTRAL RANGE	8-14 UM
THERMAL SENSITIVITY (NETD)	≤ 50 MK
LENS TYPE	FIXED, F1.0
FOCUS CONTROL	FREE FOCUS
FOCAL LENGTH	3.5MM
ANGLE OF VIEW	H: 48°, V: 36°
DETECTION DISTANCE (HUMANS: 1.8×0.5M)	146M
DETECTION DISTANCE (VEHICLES: 4×1.5M)	447M
RECOGNITION DISTANCE (HUMAN: 1.8×0.5M)	36M
RECOGNITION DISTANCE (VEHICLE: 4×1.5M)	112M
DETECTION DISTANCE (FIRE: 0.1×0.1M)	14M
DETECTION DISTANCE (FIRE: 0.1×0.1M)	146M

OPTICAL CAMERA

IMAGE SENSOR	1/2.7" CMOS
EFFECTIVE RESOLUTION	2560(H)×1440(V)
SHUTTER SPEED	1/5 - 1/20,000S
WIDE DYNAMIC RANGE	TRUE WDR 120DB
MIN. ILLUMINATION	COLOR: 0.001LUX @ (F1.2, AGC ON) B/W: 0.0003LUX @ (F1.2, AGC ON)
S/N RATIO	MORE THAN 55DB

FOCAL LENGTH	4MM
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ANGLE OF VIEW	H: 92°, V: 46°
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ILLUMINATOR

IR DISTANCE	UP TO 35M
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WHITE LIGHT	STROBE LIGHT
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VIDEO AND AUDIO

MAIN STREAM	OPTICAL: 2560×1440, 2304×1296, 1920×1080, 1280×720 @ 25/30FPS THERMAL: 704×576 @ 25/30FPS
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SUB STREAM	OPTICAL: D1, VGA @ 25/30FPS THERMAL: CIF @ 25/30FPS
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BIT RATE CONTROL	CBR/VBR
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BIT RATE	MAIN STREAM: OPTICAL: 100KBPS-12MBPS THERMAL: 100KBPS-3MBPS SUB STREAM: OPTICAL: 100KBPS-6MBPS THERMAL: 100KBPS-3MBPS
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REGION OF INTEREST	OFF / ON (8 ZONE, RECTANGLE)
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SMART ENCODING	SUPPORTED
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AUDIO COMPRESSION	G.711: 8KBPS, RAW_PCM: 16KBPS
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IMAGE

IMAGE SETTINGS	BRIGHTNESS, SHARPNESS, CONTRAST, SATURATION
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MIRROR	SUPPORTED
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PSEUDO-COLOR SETTINGS	1WHITE-HOT/BLACK-HOT/RAINBOW/IRONBOW, ETC. UP TO 17 MODES (THERMAL)
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DVE IMAGE ENHANCER	SUPPORTED (THERMAL)
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NOISE REDUCTION	2D/3D DNR
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PRIVACY MASKING	SUPPORTED
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MOTION DETECTION	SUPPORTED
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SMART FUNCTIONS

SMART FUNCTIONS	TEMPERATURE MEASUREMENT, HUMAN DETECTION AND VEHICLE DETECTION
ADVANCED INTELLIGENT ANALYSIS	SMOKER DETECTION, SMOKE AND FLAME DETECTION, FIRE POINT DETECTION
INTELLIGENT ANALYSIS	INTRUSION, SINGLE LINE CROSSING, DOUBLE LINE CROSSING, LOITERING, WRONG WAY, ENTER AREA, LEAVE AREA (THESE 7 FUNCTIONS SUPPORT ACCURATE DETECTION OF PEOPLE/ VEHICLES), PEOPLE COUNTING
SOUND-LIGHT ALARM	SUPPORTS WHITE LIGHT FLASHING AND HORN WARNING
TEMPERATURE MEASUREMENT	3 TEMPERATURE MEASUREMENT RULE TYPES, 20 RULES IN TOTAL, 1 FULL SCREEN, 19 OTHERS (POINTS, AREAS, LINE)
TEMPERATURE ALARM	OVER TEMPERATURE ALARM, TEMPERATURE DIFFERENCE ALARM
ACCURACY	±2°C / ±2%
RESPONSE TIME	≤ 30MS
TEMPERATURE MEASUREMENT RANGE	-20°C ~ 150°C (-4°F ~ 302°F)

NETWORK

PROTOCOLS	IPV4/IPV6, HTTP, RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1X
INTEROPERABILITY	ONVIF
MAX. USER ACCESS	10 USERS
WEB VIEWER	<IE11, CHROME, FIREFOX, MICROSOFT EDGE
WEB LANGUAGE	ENGLISH, CHINESE, POLISH, ITALIAN, PORTUGUESE, SPANISH, RUSSIAN, FRENCH, CZECH, HUNGARIAN

INTERFACE

NETWORK INTERFACE	1 ETHERNET (10/100 BASE-T) RJ45 CONNECTOR
AUDIO INTERFACE	1CH INPUT, 1CH OUTPUT
BUILT-IN MICROPHONE	SUPPORTED

BUILT-IN SPEAKER	SUPPORTED
ALARM INTERFACE	1CH INPUT, 1CH OUTPUT
RS485	SUPPORTED
RESET BUTTON	SUPPORTED
SD CARD SLOT	SUPPORTED, UP TO 256GB
GENERAL	
POWER SUPPLY	DC12V/DC24V/POE (IEEE 802.3AF)
POWER CONSUMPTION	MAX 10W
WORKING TEMPERATURE	-40°C ~ 60°C (-40°F ~ 140°F)
STORAGE CONDITIONS	0 ~ 90% RH
CERTIFICATIONS	CE / FCC
INGRESS PROTECTION	IP66
CASING	METAL
DIMENSIONS	Ø140 × 117.8MM (5.51" × 4.64")
NET WEIGHT	1.03KG (2.27 LB)

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