Detec Radiometric Thermal Bullet IP Camera

DTC-THB6-18/25/40/89-RAD

Radiometric, Uncooled VOx, 640x512/17µm, 50Hz/25fps, 8~14µm Spectral Range, FOV 18°x14° (35mm) / 25°x20° (25mm) / 40°x32° (15mm) / 89°x73° (7mm), ONVIF, Two-way Audio, I/O, Micro SD slot, IP66, PoE

Specification

Radiometric Thermal Camera Module

- **Radiometric thermal camera module with both temperature and radiant energy measurement customized for use with Detec Next RAD Camera License on Detec Next VMS**
- **High resolution temperature measurement**
- **640x512 resolution, high sensitivity sensor, support contrast adjustment**
- **Support shutter adjustment in various modes**
- **15 palettes of colors adjustable, image detail enhancement, digital noise reduction**
- **Support mirror image**
- **18°, 25°, 40° and 89° FOV optional**
- **Edge analysis on camera to be used with other types of Detec Next camera licenses or other video management systems**
  - **Leading image processing technology: Adaptive AGC, DDE, 3D DNR, NETD < 40mk (@25°C, F#=1.0)**
  - **Powerful behavior analysis algorithm: Line crossing, Intrusion, Region Entrance & Exit**
  - **Reliable temperature exception alarm function**
  - **Advanced fire detection algorithm**

Image Sensor:	|	Vanadium Oxide Uncooled Focal Plane Detectors

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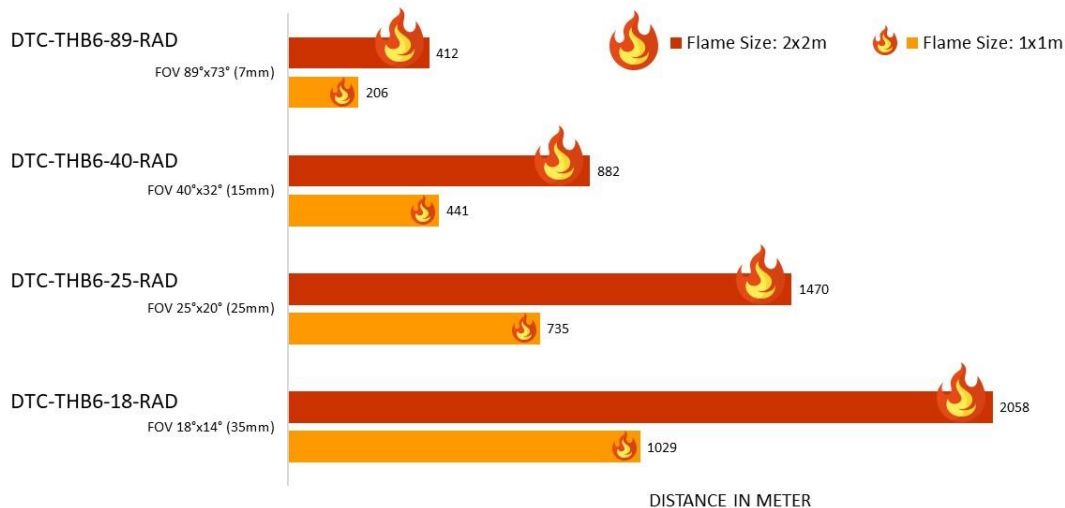| Effective Pixels:		640(H)x512(V), 327.680			
Detector Pitch:		17um			
Spectral Range:		8~14µm			
Noise Equivalent Temperature Difference (NETD):		< 40mk (@25°C,F#=1.0)			
Model name:		DTC-THB6-18-RAD	DTC-THB6-25-RAD	DTC-THB6-40-RAD	DTC-THB6-89-RAD
Field of View (FOV):		17.67° × 14.18°	24.55° × 19.75°	39.87° × 32.36°	88.5° × 73.2°
Lens:		35mm	25mm	15mm	7mm
MRAD:		0.49	0.68	1.13	2.42
Min. Focusing Distance:		40m	13m	2.5.m	0.8m
Detection range - Vehicles:		3157m	2255m	1353m	631m
Detection range – Humans:		1029m	735m	441m	206m
Recognition range - Vehicles:		789m	564m	338m	158m
Recognition range – Humans:		257m	184m	110m	51m
Identification range - Vehicles:		395m	282m	169m	79m
Identification range – Humans:		129m	92m	55m	26m
F number:		1.0			

Edge Analysis on Camera

Video Content Analysis		Support 4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), 8 VCA rules.
Temperature Measurement		Support 3 temperature measurement rule types, 21 rules (10 points, 10 regions, and 1 line)
Temperature range		-20°C to 550°C (-4°F to 1,022°F)
Temperature accuracy		Max (±2°C, ±2%)
Fire detection		Support 10 fire points – Dynamic fire source detection with sensitivity adjustments

FIRE DETECTION RANGE
DETEC RADIOMETRIC THERMAL BULLET IP CAMERA

DTC-THB6-89-RAD
FOV 89°x73° (7mm)
412
206

■ Flame Size: 2x2m   ■ Flame Size: 1x1m

DTC-THB6-40-RAD
FOV 40°x32° (15mm)
882
441

DTC-THB6-25-RAD
FOV 25°x20° (25mm)
1470
735

DTC-THB6-18-RAD
FOV 18°x14° (35mm)
2058
1029

DISTANCE IN METER

Network

Ethernet:	|	1 RJ45 10M/100M Self-adaptive Ethernet interface
Max. Image Resolution:	|	640×512
Main Stream:	|	50Hz: Max. 50fps (640x512, 384×288, 352x288)
Sub Stream:	|	50Hz: Max. 50fps (640x512, 384×288, 352x288)
Third Stream:	|	50Hz: Max. 50fps (640x512, 384×288, 352x288)
Video Compression:	|	H.264 (Baseline/Main/High Profile) /MJPEG/H.265, H.264+, H.265+, ONVIF support
Audio Compression:	|	G .711u/G.711a/G.722.1/MP2L2/G.726/PCM
Protocols:	|	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
No. of Simultaneous Users:	|	Up to 20 users
User/Host Level:	|	Up to 32 users,3 Levels: Administrator, Operator and User
Security Measures:	|	User authentication (ID and PW) MAC address binding HTTPS encryption IEEE 802.1x access control IP address filtering

Integration

Client:	|	Supported in Detec Next Software Specialized radiometric features fully supported by Detec Next RAD Camera License Edge analysis on camera and basic thermal features supported by most open-standard software brands
Web Browser:	|	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +
Alarm input:	|	2 inputs (0-5vDC)
Alarm output:	|	2 relay outputs, alarm response actions configurable
Alarm action:	|	SD recording/Relay output/Smart capture/FTP upload/Email linkage
Audio input:	|	1 3.5mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance:1KΩ±10%
Audio output:	|	Line level, impedance: 600Ω
Reset:	|	1 Reset button

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SD memory card:	|	Built-in Micro SD card slot, support Micro SD/SDHC/SDXC card (up to 64G), support manual/alarm recording
Analog video output:	|	1.0V[p-p] / 75Ω, PAL(or NTSC), BNC
RS485 protocols	|	Half-duplex; PELCO-P, PELCO-D, self-adaptive

General

Menu Language:	|	English
Power Supply:	|	24 VAC, 12 VDC, PoE+ (802.3.at)
Power Consumption:	|	Default 8W, 18W max (lens de-icing enabled)
Working Temperature/ Humidity:	|	-40℃ - 60℃ (-40°F - 140°F) 90% or less (non-condensing)
Protection Level:	|	IP66
Dimensions:	|	314 x 104 x 104mm
Weight (approx.):	|	2kg (approx.)

Accessories

Bullet Junction Box;
DTC-BRKB-JB

Pole mount adapter;
DTC-BRKB-PMA

128GB Micro SD XC Card;
SDSQUNC-128G-GN6MA

64GB Micro SD XC Card;
SDSQUNC-064G-GN6MA

Dimensions

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