Detec Radiometric Thermal Bullet IP Camera

DTC-THB3-11/15/25/36/60-RAD

Radiometric, Uncooled VOx, 384x288, 50Hz/25fps, 8~14µm Spectral Range, FOV 11°x8° (35mm) / 15°x11° (25mm) / 25°x19° (15mm) / 36°x27° (10mm) / 60°x44° (7mm), ONVIF, Two-way Audio, I/O, Micro SD slot, IP66, PoE

Specification

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**
- **384x288 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**
- **11°, 15°, 25°, 36° and 60° 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 Automatic Gain Control, Digital Detail Enhancement, Digital Noise Reduction, Noise Equivalent Temperature Difference <35mk (@25°C, F#=1.0)**
  - **Powerful behavior analysis algorithm: Line crossing, Intrusion, Region Entrance & Exit**
  - **Reliable temperature exception alarm function**
  - **Advanced fire detection algorithm**

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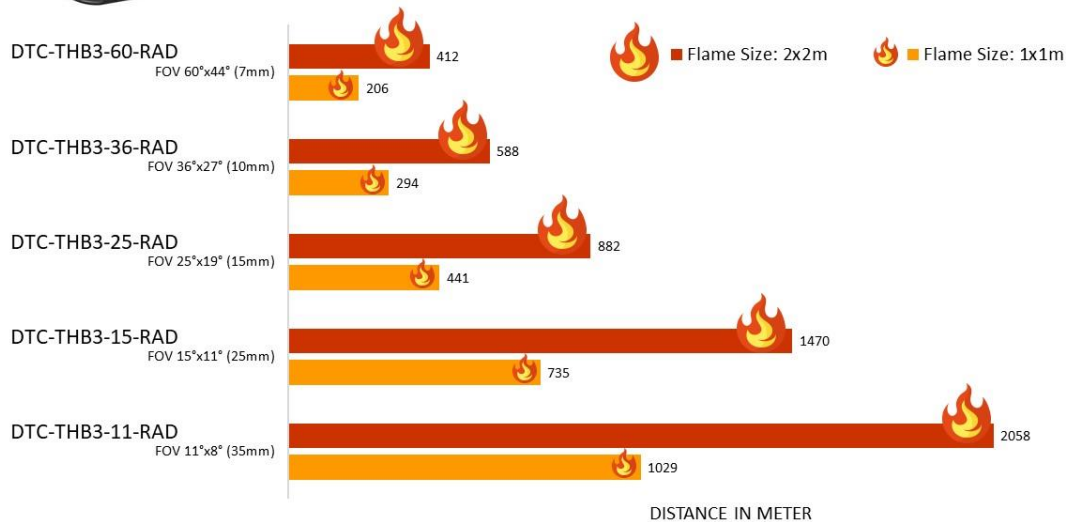| Image Sensor:	Vanadium Oxide Uncooled Focal Plane Detectors				
Effective Pixels:	384(H)x288(V), 110.592				
Detector Pitch:	17μm				
Spectral Range:	8~14μm				
Noise Equivalent Temperature Difference (NETD):	< 35mk(@25°C,F#=1.0)				
Model name:	DTC-THB3-11-RAD	DTC-THB3-15-RAD	DTC-THB3-25-RAD	DTC-THB3-36-RAD	DTC-THB3-60-RAD
Field of View (FOV):	10.66°×8°	14.88°×11.19°	24.55°×18.54°	36°×27°	60°×43.8°
Lens:	35mm	25mm	15mm	10mm	7mm
MRAD:	0.49	0.68	1.13	1.70	2.43
Min. Focusing Distance:	40m	13m	2.5m	1m	0.8m
Detection range - Vehicles:	3157m	2255m	1353m	902m	631m
Detection range – Humans:	1029m	735m	441m	294m	206m
Recognition range - Vehicles:	789m	564m	338m	225m	158m
Recognition range – Humans:	257m	184m	110m	74m	51m
Identification range - Vehicles:	395m	282m	169m	113m	79m
Identification range – Humans:	129m	92m	55m	37m	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-THB3-60-RAD
FOV 60°x44° (7mm)
412
206

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

DTC-THB3-36-RAD
FOV 36°x27° (10mm)
588
294

DTC-THB3-25-RAD
FOV 25°x19° (15mm)
882
441

DTC-THB3-15-RAD
FOV 15°x11° (25mm)
1470
735

DTC-THB3-11-RAD
FOV 11°x8° (35mm)
2058
1029

DISTANCE IN METER

Network

Ethernet:	1 RJ45 10M/100M Self-adaptive Ethernet interface
Max. Image Resolution:	384×288
Main Stream:	50Hz: Max. 25fps (384×288)
Sub Stream:	50Hz: Max. 25fps (384×288)
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 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

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Reset:		1 Reset button
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
Reset:		1 Reset button

General

Menu Language:		English
Power Supply:		24 VAC, 12 VDC, PoE (802.3.at)
Power Consumption:		Default 6W, 18W max (lens de-icing enabled)
Working Temperature/ Humidity:		-40℃ - 60℃ (-40°F - 140°F) 95% 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