

**dvtel·ioi**

thermal by DRS Technologies



## ioi Thermal CT-5322 Fixed Camera with Built-In Analytics

Automated detection in fog, haze, smoke, low light, no light and other challenging environments.

Now you can...have the competitive edge with a 24/7 thermal solution that outperforms conventional surveillance technologies. Powered by DRS Technologies, the ioi Thermal camera is equipped with built-in ioi analytics in a low-power, lightweight design with multiple lens options, for a variety of applications.

The ioi Thermal CT-5322 fixed camera delivers a 320 x 240 pixel array with exceptional image clarity and supports power, control, video, and analytic events through one cable, simplifying installation requirements and reducing total cost of ownership.

FEATURE	BENEFIT
320 x 240 pixel array (QVGA)	Exceptional quality that's also affordable
Built-in analytics	Single unit supports controls and analytics through one cable, simplifying installation requirements and reducing total cost of ownership
Image Contrast Enhancement (ICE™)	Image is adjusted to gain the optimal range and contrast – better detail in focus area
ONVIF™ Profile S Conformant	Integration with many third-party software manufacturers
Five lens options: 6°, 9°, 16°, 24°, and 40°	Adapts to application – match detection distance to needs; the further the target detection required, the smaller the field of view and the longer the distance
30 and 9 frames per second (fps) models	Easier export approval for 9 fps models
Dual PAL/NTSC models with analog-out, alarm input and output	Backward-compatible for global deployment
Storage on the edge (SoE)	Enables remote storage without a server

### Detection Types\*

- Intrusion detection:
  - Regional entrance
  - Tripwire
  - Fence trespassing
- Unattended baggage detection
- Object removal detection
- Stopped vehicle detection
- Loitering detection
- Camera tampering detection

\* An additional license is not required. It is possible to simultaneously run five intruder, tampering, and loitering rules, or one unattended baggage rule, or one stopped vehicle rule.

**dvtel**® Now you can.

VIDEO INNOVATION TO SECURE YOUR BUSINESS

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Image Contrast Enhancement (ICE) is a trademark of DRS Technologies.  
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[www.dvtel.com](http://www.dvtel.com)



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## CT-5322 Fixed Specifications

Camera (Pixel Array)	
Array Size	320 x 240
Detector Type	Uncooled VOx Microbolometer
Detector Pitch	17 um
Spectral Response	8-14 um (LWIR)
Sensitivity	<50 mK at f/1.0
Video	
Frame Rate	Configurable up to 30 frames per second (fps) or fixed at 9 fps
Format	Analog: NTSC/PAL IP: H.264/MJPEG
Gain/Level Control	Automatic
Image Polarity	White Hot/Black Hot
Image Processing	Image Contrast Enhancement (ICE™)
Network	
Protocols	Internet Protocol (IP): ONVIF™ Conformant (v 2.5 / Profile S); RTP, RTSP, TCP, UDP, DHCP, FTP, HTTP, HTTPS, SMTP, NTP
Interfaces	Internet Protocol (IP): Ethernet (10/100BaseT), RJ45
Electrical	
Power	12-24VDC, 24VAC, 802.3 at PoE+
Power Consumption	Minimum 20W
Alarm Input	2x dry contacts
Relay Output	1x relay output (rated load 0.3A@12VDC; 1A@30VDC; 0.25A@24VAC, 50/60Hz)
Analog Video Output	Composite 1Vp-p (PAL or NTSC), 1 x BNC 75Ω

Physical	
Dimensions (L x H x W)	29.2 x 10.4 x 9.5 cm (11.5 x 4 x 3.75 in.)
Weight	1.2kg (2.6 lbs.)
Enclosure	IP66, Tamper resistant
Environmental	
Operating Temperature	-40° to 60°C (-40° to 140°F)
Storage Temperature	-50° to 75°C (-58° to 167°F)
Software	
Web setup	Internet Explorer 8, 9, 10, and 11
Hardware	
Embedded Memory	4GB (usable 3.5GB for video storage and image capture)
Regulatory	
USA & Canada	UL, FCC, RoHS
International	CE, RoHS, RCM

## Lens Options

Lens	Horizontal x Vertical FOV	Effective Focal Length	f/
40°	40° x 30°	7.5mm	1.2
24°	24° x 18°	13mm	1.2
16°	16° x 12°	19mm	1.1
9°	9.0° x 6.7°	35mm	1.2
6°	6.2° x 4.6°	50mm	1.2

## Warranty

Two years from purchase date.

## Ordering Information

Type	Series	Camera Resolution	Included Analytics	Frame Rate	Lens FOV	
CT	- 5	32	2	- YY	- ZZ	F
Camera Thermal	ioi	QVGA	ioi analytics	30/9 fps	See table above	Fixed

The commodities described herein may require U.S. government authorization prior to export or re-export.

- 9 fps models are export controlled by the U. S. Department of Commerce under ECCN 6A993.
- 30 fps models are export controlled by the U. S. Department of Commerce under ECCN 6A003.b.4.b.