ioimage

by dvtel Powered by DRS Technologies

ioimage™ Thermal 5640 Fixed Camera

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 ioimage Thermal line offers fixed and PT configurations in a low-power, lightweight design with multiple lens options, for a variety of applications. Bundled with ioimage analytics encoders, it delivers an ideal automated detection solution.

The ioimage Thermal 5640 fixed camera delivers a 640 x 480 pixel array with exceptional image clarity.

FEATURE	BENEFIT
640 x 480 pixel array	Exceptional quality and clarity at night, in fog and low lighting
< 12.95 watts power PoE	Low-power consumption reduces utility costs and eliminates the need for expensive PoE+ port
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 - 12.4°, 17.6°, 24.8°, 37.5°, 44°	Adapts to application – match detection distance to needs; the further the target detection required, the smaller the field of view and the wider the distance
30 and 9 frames per second (fps) models	Easier export approval for 9 fps models
Dual PAL/NTSC models with analog-out	Backward-compatible for global deployment
Storage on the edge (SoE)	Enables remote storage without a server

Highlights

- VGA
- 9 or 30 FPS models
- Bundled with ioimage analytics
- H.264, MJPEG and analog outputs
- Tamper-resistant IP66 enclosure
- Wide operating temperature range
- Built-in heater
- Browser-based web setup
- Enhanced image processing

dvtel® Now you can.

VIDEO INNOVATION TO SECURE YOUR BUSINESS

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CT-5640 Fixed Specifications

Camera (Pixel Array)	
Array Size	640 x 480
Detector Type	Uncooled VOx Microbolometer
Detector Pitch	17 um
Spectral Response	8-14 um (LWIR)
Sensitivity	<50 mK at f/1.0
Electrical	
Power	12-24VDC, 24VAC, 802.3af, PoE
Power Consumption	<12.95W PoE
Video	
Frame Rate	Configurable for 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 , Invert/Revert
Image Processing	Image Contrast Enhancement (ICE™)
Network	
Protocols	Internet Protocol (IP): ONVIF Conformant (v 2.0 / Profile S); RTP, RTSP, TCP, UDP, DHCP, FTP, HTTP, HTTPS, SMTP, NTP
Interfaces	Internet Protocol (IP): Ethernet (10/100BaseT), RJ45
Physical	
Dimensions (LxHxW)	29.2 x 10.4 x 9.5 cm [11.5 x 4 x 3.75 in]
Weight	< 1500 grams [< 3.3 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	Configured from Internet Explorer IE 8, IE 9, IE 10
Hardware	
Embedded Memory	2GB for video storage and image capture
Regulatory	
USA & Canada	UL 60065 7th edition 2007-12-11, CAN/CSA-C22.2 No. 60065-03, 1st edition, 2006-04+A1:2006; FCC Class A Part 15 Subpart B; CE IEC 60065 (Edition 7) and IEC 60065 (Edition 7) Am1; RoHS
International	CE Marked; European RoHS directive 2002/95/EC, WEEE

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

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

Lens options

12.4° Image
12.4° H x 9.3° V Field of View
f/1.2 50mm Effective Focal Length

17.6° Image
17.6° H x 13.2° V Field of View
f/1.2 35mm Effective Focal Length

24.8° Image
24.8° H x 18.6° V Field of View
f/1.2 25mm Effective Focal Length

37.5° Image
37.5° H x 28° V Field of View
f/1.2 16.7mm Effective Focal Length

44° Image
44° H x 33° V Field of View
f/1.2 14.25mm Effective Focal Length

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