



Thermography Cameras **TI35 / TI 65**

Inline thermography cameras for system integration:

The **TI35** and **TI65** are radiometric (non-contact temperature measurement) infrared cameras for OEM and machine vision applications, which require thermography capabilities. Possible stress in products after injection molding, unstable temperatures in baking ovens or extrusion lines, fire detection in the handling of inflammable agents, waste handling and storage, spontaneous combustion of stored substrates, production control and quality assurance, etc.

Features:

- 384x288 / 640x480 pixels uncooled detector
- Multiple motorized lenses, incl. auto focus
- Non-contact temperature measurements
- Compact, robust structure, IP54
- Software included



Specifications:

	TI35 camera	TI 65 camera
Detector material		a-Si
Detector resolution	384 x 288 pixels	640 x 480 pixels
Pixel pitch		17µm
Spectral range		7.5 - 14µm (LWIR)
Non-Uniformity Correction		Shutterless technology
Image enhancement		IVE image enhancement algorithm
Image gain		Auto / Manual
Frame rate		50Hz / 60Hz
Digital zoom		2X, 4X
Polarity		White hot / Black hot
Thermal sensitivity (NETD)		70mK
Start up time:		3 seconds
Lens		30mm
Focus		Auto / Motor
Hot spot / Cold spot		On / Off
Temperature range		-20°C ~ +200°C (optional to 600°C)
Temperature accuracy		±2°C / ±2% from reading
Emissivity correction		Adjustable from 0.01 to 1.0



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Specifications (cont'd):

	TI35 camera	TI 65 camera
DC power supply		DC 12V
Control		RS232
Analog video output		PAL
Installation interface	UNC 1/4"-20 standard interface, M3 threaded joint	
Internet interface	100meter Ethernet, RJ45, temp. data transmission	
Image storage	JPG format	
Video format	AVI, H.264 compression	
Power consumption	3.6W	
Operating temperature	-30°C~+60°C	
Storage temperature	-40°C~+70°C	
Humidity	5%~95% RH (non condensing)	
Shock resistance	25G(IEC60068-2-29)	
Vibration resistance	2G(IEC60068-2-6)	
EMC	CE/FCC	
Enclosure	IP54 (IEC60529)	
Physical data: Dimensions	105 x 65 x 72mm	
Weight	≤ 420g	
Standard accessories	Thermography camera, interface cable, software CD, warranty card, calibration book, calibration certificate, transport case	

Examples:

