Ti600

Imaging Performance (Thermal)

Detector	Uncooled FPA Microbolometer (384 x 288 pixels, 25 Âµm)
Spectral Range	8 ~ 14 Âµm
Thermal Sensitivity / NETD	0.08Â°C at 30Â°c
Field of View	21.7Âº x 16.4Âº
Lens	25mm
Spatial Resolution	1.0mrad
Focus	Automatic or motorized
Image Frame Rate	50Hz PAL/60Hz NTSC
Electronic Zoom	x1 to x10 continuos zoom

Imaging Performance (VIsual)

Built-in Digital Camera	CMOS sensor (1280x1024 pixels 2^{15} colors)

Image Presentation

External Display	3.5" high resolution color VGA LCD (640x480 pixel)
View Finder	0.6" built-in high resolution color OLED (640x480 pixel)
Video Output	60 Hz VGA/50 Hz PAL/ 60 Hz NTSCÂ switchable
Infra Fusion	Visual and IR Blending

Measurement

Temperature Range	Filter 1 : -20Â°C ~ 250Â°C; Filter 2 : 200Â°C ~ 600Â°C
Optional Temperature	Filter 1 : (down to -40Â°C); Filter 2 : (up to 2000Â°C)
Accuracy	Filter 1 : Â± 1Â°C or Â± 1% of reading; Filter 2 : Â± 1Â°C or Â± 1% of reading

Measurement Modes	Auto hot spot and auto alarm in live/zoomed image & video; 10 movable spots; 10 movable & changeable areas displaying either max, min or avg; vertical & horizontal line profile; histogram & isotherm in live/zoomed/frozen/saved image & video
Display Color	8 palletes available
Temperature Unit	ºC or ºF selectable
Emmisivity Correction	Variable from 0.01 to 1.00 by 0.01 increment
Measurement correction	Automatic correction based on distance, relative humidity, atsmopheric transmission, and external optics
Optics Transmission Correction	Autom based on signals from sensor

Image Storage

Type	Removable 2GB SD card or built-in flash memory
File Format	JPEG (an individual file consist of infrared image, visual image,voice annotation and text annotation if any)
Image Storage	±450 images (built-in flash memory), ±1000 images (2GB SD card)
Voice Annotation	Up to 60 seconds per file
Text Annotation	Selected from preset text

Interfaces

Communication	USB2.0 (real time data transfer to PC & real-time control of the camera on PC), RS232 (control of the camera on PC)
Touch Screen	Present & receive operator's commands given by touch
Auto Speech Recognition System	Automatically recognize and react top operator's voice commands
Remote Control Handle	Respond as per operator's operation
Joystick	Respond as per operator's operation
Buttons	Respond as per operator's operation
Menu	Microsoft ® Windows style

Laser Locator

Classification Type	Class 2, semiconductor diode laser : 1mW/635nm

Power System

Battery Type	Rechargeable Li-Ion Camcorder battery, field-replaceable
Battery operating time	Over 2.5 hours continous operation
Charging System	In battery charger
Charger	100 ~ 240V AC, 50/60Hz
External Power	AC adapter 110/220V AC, 50/60Hz

Environmental Conditions

Operating/Storage Temperature	-20ºC ~ 60ºC (-4 ~ 140ºF)
Operating/Storage Humidity	10 ~ 95%, non-condensing
Encapsulation	IP54 IEC 529 housing
Vibration	Operational : 25G, IEC 68-2-29
Shock	Operational : 2G, IEC 68-2-6

Physical Characteristics

Housing	Magnalium
Size	186x106x83mm
Weight	1.1kg (including battery and LCD)
Tripod Mounting	1/4" - 20

Accessories

Standard Accessories	3,5" VGA LCD touch screen, 2 touch pen, remote control handle, 2GB SD card, card reader, 2 rechargeable Li-Ion batteries, battery charger, USB extension cable, VGA cable, RS232 communications and video cable, AC adapter and cable, RS232 communication protocol, USB driver, IrAnalyser software, instruction manual, warranty card, certificate of product conformance, transport case and strap
Options	Tele lens, wide angle lens, extended temperature range

Vendor Information