

Model - TE-P

TE series is a special low cost real - time IR camera in 160 x 120 resolution. It combines the traits of economical practical and portable. The camera symbolizes easy - to - use, standard and professional, developing for those applications that need instant infrared trouble shooting in power plant, petrochemicals, scientific research, fire fighting, and building inspection, metallurgy, etc.

GENERAL SPECIFICATIONS :*** Detector characteristics :**

Detector type : Uncooled FPA microbolometer
 Array size / format : 160 X 120

*** Image characteristics**

Field of view / min focus distance : 18° x 13° / 0.3m
 Spatial resolution (IFOV) : 1.9 mrad
 Thermal sensitivity : 0.1°C@30°C
 Frame rate : 50/60 Hz
 Focus : Manual
 Electronic zoom : 2X
 Spectral range : 8 - 14 m

*** Image display**

LCD : Built-in-high resolution Color 2.5" LCD

*** Measurement :**

Temperature ranges : -20°C ~ + 350°C, optional upto +600°C or 1000°C
 Accuracy : ± 2°C or ± 2 % of reading, whichever is greater
 Measurement correction : Automatic / manual
 Measurement mode : Up to 4 Movable spot. Up to 3 Movable area (maximum, minimum and average temperatures). Line profile. Isotherm. Temperature difference. Alarm (voice, color)
 Color palette : 11 palettes changeable
 Image Adjustment : Auto / manual gain and brightness
 Setup functions : Date / time, temperature unit, language
 Emissivity correction : Variable from 0.01 to 1.0
 Ambient temperature correction : Automatic correction according to user input
 Atmospheric transmission correction : Automatic correction according to user input object distance, relative humidity, ambient temperature.

*** Image storage**

Storage Memory : Built - in flash memory, Up to 2000 images
 Storage mode : Automatic / manual single image saving
 File format - thermal : JPEG, 14 bit thermal image with measurement data
 Voice annotation : Input via built-in microphone upto 40 seconds of digital voice per image stored with image

*** Laser pointer :**

Laser pointer : Class 2, 1mw / 635nm(red)

*** Power supply :**

Battery type : Li-Ion, rechargeable
 Battery operating time : Approx. 3 hours continuous operation
 Charging system : Intelligent charger or power supply adaptor (optional) online charge
 Power saving : YES
 External power : 10 - 15 V DC

*** Environment :**

Operating temperature : -15°C ~ +50°C
 Humidity : 90% non-condensing
 Encapsulation : IP 54

*** Interface :**

External DC input : YES
 Audio output : YES
 Video output : PAL / NTSC
 USB : Image, measurement Audio data transfer to PC

*** Dimensions**

: 250mm x 100mm x 72mm

*** Weight**

: Approx.0.6Kg

ACCESSORIES :

Note: All Specification are Subject to change without prior notice.