

## MTV-300 Thermal Imaging Camera

### Overview:

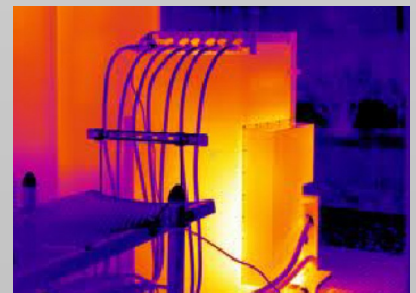
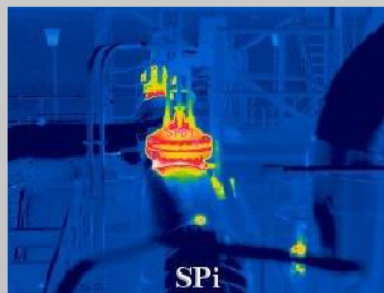
Marmonix MTV-300 is with cutting-edge thermal imaging technology, providing high performance with 5MP visual camera, interchangeable lens, large 5" foldable and rotatable LCD, manual & auto focus. Thermal imaging cameras TI600 is with ergonomic design, super image quality, multiple measurements, providing powerful assistance for thermographers to have the most efficient instrument for maintenance inspections. MTV-300 has a wide range of temperature measurement to satisfy variety of thermograph applications, they enable you to identify the small temperature difference that could cause big problems.

### Features:

- Excellent thermal image and high accuracy temperature measurement
- Folding and 270°rotatable display
- Auto/Motor focus for one-hand operation
- Bright LED light, Laser pointer
- Built-in digital camera
- Wide temperature measurement range
- 60sec voice annotation
- Interchangeable IR lens, With wide-angle & telephoto lens option
- Scalable P-I-P and Thermal fusion
- Multiple Measurement
- Real-time thermal video transfer to PC via USB, and remote transfer via MSN and Skype

### Application:

- Building diagnostics
- Electrical and mechanical inspection
- Research & Development
- Automation applications
- Preventative & predictive maintenance



Detector Data	
Detector type	Uncooled FPA
IR resolution	640×480 pixels
Pixel pitch	25μm
Spectral range	8-14μm
Image Performance	
FOV/Min focus distance	24°×18°/ 0.5m, 48°×36°/ 0.3m, 14°×10.5°/ 1.2m
I FOV	0.65mrad(24°×18°)
NETD/Sensitivity	< 65mk@30°C
Frequency	50Hz/60Hz
Focus	Manual/Motor/Auto
Digital Zoom	1 ~ 8× continuous
Visual camera	5.0 mega pixel
Spotlight	10cd/m2
Image mode	Thermal image, visual image, P-I-P , thermal fusion, W-I-W
Image display	
Viewfinder	0.6" color OLED, with magnification
Display	5", 270° tiltable LCD, 800x480 pixels
Measurement	
Temperature range	-40°C to 600°C (standard) -40°C to 1200°C (optional)
Accuracy	±2°C or ±2% of reading
Measurement correction	Auto/Manual
Spot meter	10 adjustable spots
Area	5 adjustable boxes with max./min./avg temperature value
Line profile	Vertical/Horizontal
Isotherms analysis	Capture high/low temperature erature/interval
Delta T	Yes
Emissivity correction	adjustable from 0.01 to 1.0 or selected from list of materials
Alarm	Voice, color
Dew point alarm	Yes
Color Palettes	12 palettes (Including iron, rainbow, white hot and black hot etc.)
Setting function	Date/ time temperature unit°C/°F/K /language
Background temperature correction	Auto
Atmospheric transmissivity	Auto
Languages	10 Languages (English, French, Italian, German, Spanish, Portuguese, Russian, Korean, Japanese, Chinese)
Image adjustment	Adjust contrast and brightness auto/manual
Image Storage	
Storage type	Built-in flash card, up to 700 radiometric JPEG images, 8G SD card, up to >5600 radiometric JPEG images
Voice annotation	60s voice record, stored with per image via built-in microphone
Periodic image storage	User defined, 10s at least
Laser Point	
Grade/Type	Class 2, 1mW/635nm Red
Power System	
Battery type	Rechargeable and replaceable lit-lion battery
Battery operating time	2.5 hours
Charging System	In camera, AC adapter, car charger
AC supply	110~240V AC, 50/60Hz, 10~15V DC output
Power saving	Auto shutdown (user defined)
Environment Data	
Operating temperature range	-20°C - +50°C
Storage temperature range	-40°C - +70°C
Humidity (operating and storage)	≤95% non-condensing
Encapsulation	IP54 (IEC60529)
Shock	25G, IEC60068-2-29
Vibration	2G, IEC60068-2-6
Physical Data	
Size (L x W x H)	200*117*127mm
Weight (with battery and standard lens)	≤1.3Kg
Interfaces	
USB	Radiometric images transfer to and from PC
Audio output	Yes
Video output	CVBS
Blue tooth	yes
Tripod	1/4" _20
Power	yes
Camera Includes	
Standard	Thermal imaging camera with standard IR lens, 2 Li-ion batteries, Battery charger, Adapter, USB cable, SD card, SD card reader, Software CD, warranty card, transport case
Optional accessories	IR lens