

# TVS-8500

## The Peak of Thermography

**High speed frame rate 120 frames/second**

**Clear image with high sensitivity 0.025°C**

**Built in Real Time Recorder (TVS-8502)**

**Fast data transfer to PC (TVS-8502)**



## Configuration



## Specifications

TVS-8502

Model	TVS-8501	
Detector *1	InSb FPA (256x256)	
Cooling Method	Stirling Cooler	
Measurement Range *2	-40°C to 900°C	
Temperature Resolution	0.025°C or better (at 30°C black body)	
Frame Rate *3	120Hz (NTSC)	
Spectral Range	3.5 to 4.1μm, 4.5 to 5.1μm	
Field of View *4	14.6°(H) x 13.7°(V)	
IFOV *4	1 mrad	
Focus Distance *4	30cm to infinity	
Compensation	Emissivity, Reflectivity, Ambient Temperature	
Display	5 inch Color LCD	
Functions	Multi point temperature readout, Digital zoom, Isotherm, MAX/MIN temperature, Color pallets Averaging, A-scope, Auto range setting	
Data Storage	240 frames on 48Mb card	
Real Time Recorder	No	1000 frames at 120Hz *3
Video Output	NTSC/PAL	
External Interface	RS-232C	RS-232C, IEEE-1394
Power	AC100-240V, 50/60Hz	
Dimensions (mm)	200(W) x 250(D) x 120(H) without extrusion	
Weight	less than 5kg	

Note) \*1. Effective area is 240(H) X 256(V)

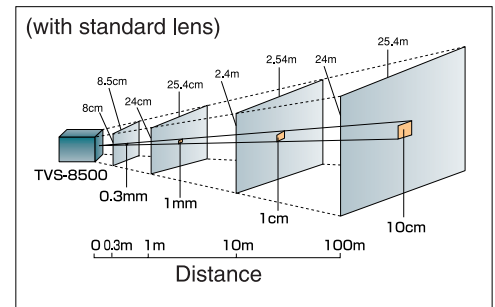
\*2. To be extended to 2000°C maximum on option

\*3. 100Hz in PAL mode

\*4. With standard lens

- Specifications and outline in this brochure are subject to change without notice for improvement.
- Since the product contains an item under export control of the US government as well as the Japanese government, delivery is subject to necessary export licenses by the authorities. It is strictly regulated to export the product to certain areas.
- In case of retransfer, resale and/or reexport of the product, prior authorization by the authorities is required.

## FOV and Distance



## Standard Configuration

- Camera
- Compact Flash Card
- Case
- Tripod
- Operation Manual

## Options

- Wide Angle Lens 2X
- Close Up Lens 100μm
- Microscopic Lens 10μm
- Extended Temperature to 2000°C
- Analysis Software



Caution

Please make sure to read the instruction manual carefully before use so that the equipment can be used safely.  
Do not leave the equipment in a place where there is water, moisture, steam, smoke, etc. It may cause fire, electric shock or failure of the equipment.

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