

## Thermal-Wall Scanner

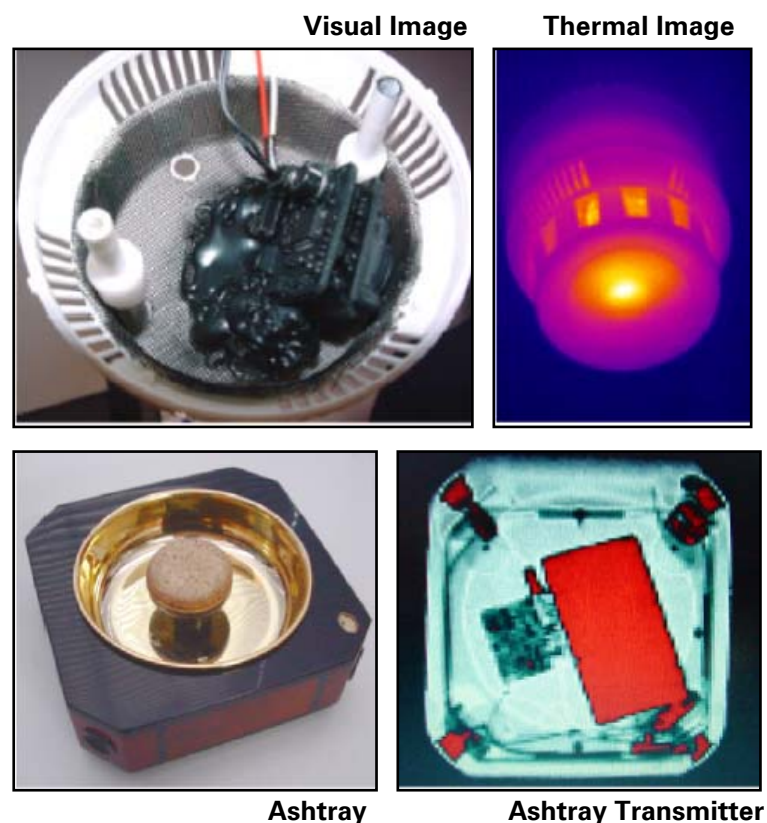
Model 7505

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### 1. Description

The Model 7505 is an ultra-compact infrared CCD camera, which provides advanced and superb image quality, while offering portability and exceptional cost performance. Because it is very small and light-weight, the optional battery-powered camera can be used in very narrow and difficult to reach places. Furthermore, it allows imaging while walking. The system comes with a number of options, e.g. an LCD-display which can be removed from the camera itself and a memory card slot for file storage.



### 2. Usage

The Model 7505 detects "Hotspots" in a very quick and reliable manner. "Hotspots" are very small warm areas generated by bugging surveillance equipment used for eavesdropping, often placed in walls, ceilings or furniture. Any changes in the heat structure of objects are able to be detected by using Model 7505.

### 3. Features

- Ultra compact IR-camera kit system
- A number of various accessories
- Digital zoom function with flexible optical objective performance
- File-storage inside the camera by using the optional PCMCIA drive
- Camera protection against environment influences by using an optional suitable cover
- RS-232 ONLINE control with command Software
- TFT color LCD-display with 256 true-color Display-integrated control buttons with optional cable extension
- Integrated long-life sterling cyro cooler with whispering run
- Digital interfacing corresponding with the PCMCIA, PCI and DRVURBS PC-Connection



**Video Camera**

## Specifications

Measuring range	Range 1	Đ20 to 100 <sub>j</sub> C	Đ40 to 120 <sub>j</sub>
	Range 2	0 to 250 <sub>j</sub> C	0 to 500 <sub>j</sub> C
	Range 3 (option)	100 to 800 <sub>j</sub> C	200to 2000 <sub>j</sub>
	Range 4 (option)	200 to 2000 <sub>j</sub> C	Ñ
Resolution	0.06 <sub>j</sub> C (at 30 <sub>j</sub> C 60Hz) — range 1		
Accuracy	±2 <sub>j</sub> C or ±2% of reading		
Spectral range	8 to 14µm		
Focusing range	30cm to infinity		
Field of view	21.7 <sub>j</sub> (H) x 16.4 <sub>j</sub> (V)		
Frame time	60 frames /sec		
Thermal image pixels	320 (H) x 240 (V) pixels		
A/D resolution	14 bits		
Measuring functions	Run/Freeze		
Interval measurement	Recording on memory card : 2 to 3600 sec interval Trigger function		
Emissive correction	0.10 to 1.00 (at 0.01 step)		
Storage device	Compact flash memory card for;		
	Thermal image in S IT or BMP file format		
	Visible image in S IT or JP E G file format		
Movie recording	Real-time memory : 1664 images (max. 60Hz)		
Video signal output	NTS C/PAL composite video signal, S -video		
Interface	IE E E 1394, R S -232C		
Operating temp/humidity	Đ15 to 50 <sub>j</sub> C, 90% R H or les s (not condensed)		
Storage temp./humidity	Đ40 to 70 <sub>j</sub> C, 90% R H or les s (not condensed)		
Power supply	AC adaptor : 100V to 240V, DC 7.2V (nominal)		
Power consumption	Approx. 6W (typ)		
Shock and vibration	294m/sec <sup>2</sup> (IE C60068-2-27), 29.4m/sec <sup>2</sup> (IE C60068-2-6)		
Environmental protection	IP 54 (IE C60529)		
Dimensions	Approx.108 (W) x 113 (H) x 189 (D) mm (excluding projection)		
Weight	Approx. 1.3kg (excluding battery and LCD)		
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Standard accessories	AC adaptor, battery pack (2pcs ), battery charger, compact flash memory card, grid belt, neck s trap, lens cap		



If you would like further Information about ELAMAN,  
or would like to discuss a specific requirement or project, please contact us at:

**Elaman GmbH**  
**German Security Solutions**  
**Seitzstr. 23**  
**80538 Munich**  
**Germany**

**Tel: +49-89-24 20 91 80**  
**Fax: +49-89-24 20 91 81**  
**info@elaman.de**  
**www.elaman.de**