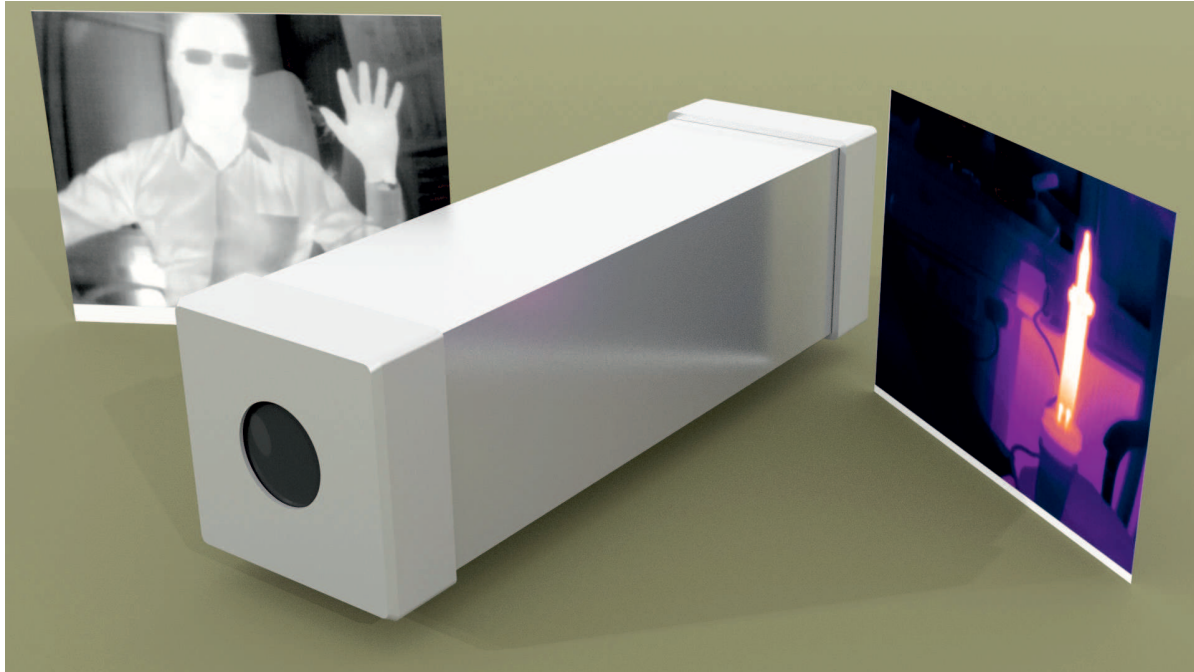


AVT EMC ThermoCam

LWIR Thermography Camera

especially for EMC- and test laboratories,
as well as general applications

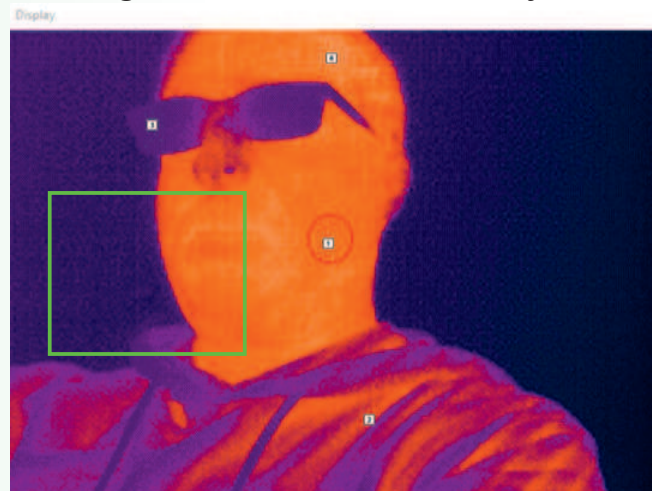


With integrated **rechargeable battery** for long autonomous operating time over 8 hours (option)

- ⇒ **LWIR Camera** for EMC labs and test fields with high interference immunity
- ⇒ different resolutions
- ⇒ selectable focal length
- ⇒ selectable frame rate
- ⇒ wide thermal wavelength range
- ⇒ wide temperature range
- ⇒ Data transmission with optical fibers
- ⇒ compact housing in slim design
- ⇒ high field immunity > 100 V/m

options:

- ⇒ integrated rechargeable battery (5 Ah)
- ⇒ optic lens for wide angle
- ⇒ higher interference immunity



ThermoCam-Software with measurement points and windows

MADE IN GERMANY

All options on: www.world-of-emc-equipment.com

Ordering informations

AVT - EMCTC - xxx - x - xx - A

emc hardened
ThermoCam

resolution
200: 200x150 Px
320: 320x240 Px
640: 640x480 Px

focal length
4: 4,0 mm
6: 6,6 mm
9: 9,1 mm

maximum frame rate
09: 9 fps
27: 27 fps
32: 32 fps

internal battery
-: without battery
A: with battery

Example: AVT-EMCTC-320-4-27-A

Technical specifications

Focal length selection	4	6	9
Optics			
Focal length	4,0 mm	6,6 mm	9,1 mm
Aperture	1,00	1,26	1,00
Detection range ¹	333 m	543 m	758 m
Identification range ¹	48 m	78 m	108 m
for sensor resolution 320 x 240			
Horizontal opening angle	56°	34°	24°
Vertical opening angle	42°	25°	18°
for sensor resolution 200 x 150			
Horizontal opening angle	35°	21°	15°
Vertical opening angle	26°	15°	12°
General information			
Spectral range	7,8 µm ... 14 µm		
Scene dynamic range	-40°C ... 330°C		
Temperature accuracy	±5°C(-40°...100°), ±5%(100°...140°C), ±10%(>140°C)		
Frame rate (sensor 200x150 / 320x240)	9 or 32 fps / 9 or 27 fps		
Data- und control interface on PC/Laptop	USB 3.0 (plug A)		
Electrical specification	min	max	
Supply voltage (DC)	4,8 V	5,5 V	
Power (camera without battery charging)	2 W	2,5 W	
Current (operation / charging battery / operation and charging)	0,36 / 0,0 / 0,36 A	0,45 / 2,0 / 2,45 A	
Dimensions			
Length of the camera without connectors	186 mm		
Width	54 mm		
Height (with foot)	54 mm (64 mm)		
Weight	850 g		

¹ Based on Johnson criteria

Contact

Errors and changes excepted.

AVT GmbH • Automatisierungs- und Verfahrenstechnik • Am Hammergrund 1 • 98693 Ilmenau • Germany
Tel: +49 (0)3677 6479-56 • Fax: +49 (0)3677 6479-69 • Web: www.avt-ilmenau.de • Mail: info@avt-ilmenau.de

