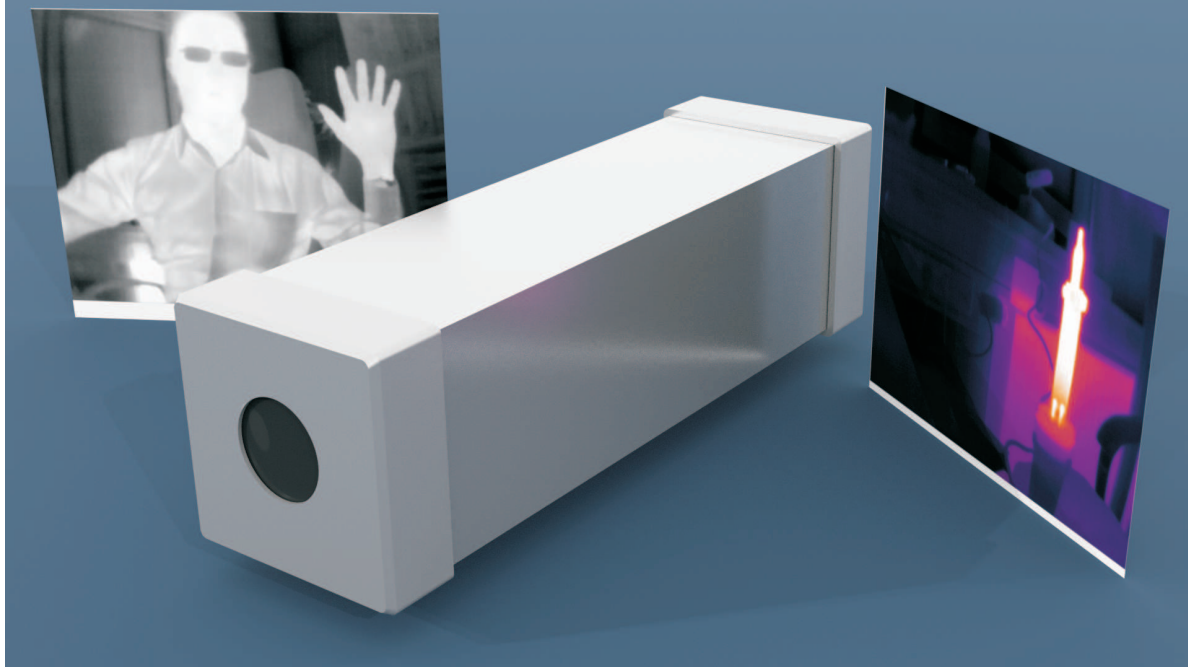


# AVT EMC ThermoCam

## LWIR Thermography Camera

especially for EMC- und test laboratories,  
and general applications



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

- ⇒ **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 and control 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

**MADE IN GERMANY**

# Ordering informations

**AVT - EMCTC - xxx - x - xx - A**

emc hardened  
ThermoCam

resolution  
200: 200x150 Px  
320: 320x240 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
<b>Optics</b>			
Focal length	4,0 mm	6,6 mm	9,1 mm
Aperture	1,00	1,26	1,00
Detection range <sup>1</sup>	333 m	543 m	758 m
Identification range <sup>1</sup>	48 m	78 m	108 m
<b>for sensor resolution 320 x 240</b>			
Horizontal opening angle	56°	34°	24°
Vertical opening angle	42°	25°	18°
<b>for sensor resolution 200 x 150</b>			
Horizontal opening angle	35°	21°	15°
Vertical opening angle	26°	15°	12°
<b>General information</b>			
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 oder 32 fps / 9 oder 27 fps		
Data- und control interface on PC/Laptop	USB 3.0 (plug A)		
<b>Electrical specification</b>			
Supply voltage (DC)	min 4,8 V	max 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	
<b>Dimensions</b>			
Length of the camera without connectors	186 mm		
Width	54 mm		
Height (with foot)	54 mm (64 mm)		
Weight	850 g		

<sup>1</sup> Based on Johnson criteria

Errors and changes excepted.

## Contact

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