

**Laboratory for Product Safety****Accredited testing laboratory****TEST REPORT**

IEC/EN 62368-1

**Audio/video, information and communication technology equipment**  
**Part 1: Safety – Requirements****Report Reference No.** .....: 1-9964/20-01-04**Test Item** .....: FLIR-T7250 (T198767)**Test result** .....: The test item passed

Remark: This test report is electronically signed and valid without handwriting signature. For verification of the electronical signatures, the public keys can be requested at the testing laboratory.

Tested by  
(printed name and signature) .....: Jürgen Sanetra  
(Testing Manager)



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**Date of issue** .....: 2020-10-28**Testing Laboratory** .....: CTC advanced GmbH**Address** .....: Untertürkheimerstr. 6-10  
DE-66117 Saarbrücken**Applicant's name** .....: FLIR Systems AB**Address** .....: Antennvägen 6  
SE-187 66 Täby**Manufacturer's name** .....: Same as applicant**Address** .....:**Test specification** .....:**Standard** .....: IEC 62368-1: 2014 (2.Edition) and Cor. 1: 2015  
EN 62368-1: 2014/AC: 2015/A11: 2017/AC:2017

Test procedure .....	CE, AA WC 34
Non-standard test method .....	N/A
Test Report Form No. ....	SAF-CE62368-1V8
Test Report Form(s) Originator.....	CTC advanced GmbH
Master TRF .....	Dated 2018
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The testing laboratory (area of testing) is accredited according to DIN EN ISO/IEC 17025 (2005) by the Deutsche Akkreditierungsstelle GmbH (DAkkS). The accreditation is valid for the scope of testing procedures as stated in the accreditation certificate with the registration number: D-PL-12076-01-01.	
<b>Accreditation Certificate</b>	
Note: The current certificate including annex is published on our website or may be received from CTC advanced on request.	
<b>Test item description .....</b>	
Infrared image camera	
Trade Mark.....	
Model/Type reference .....	FLIR-T7250 (T198767)
Ratings .....	USB: 5 VDC BAT: 3.7 VDC
<b>Additional information:</b>	
The EUT was tested under the following conditions:	
- Temperature in the range of 15 – 35°C unless otherwise specified	
- A relevant humidity in the range of 25-75% r.H.	
- An air pressure in range of 86kPa to 106kPa	

**Summary of testing:**

The sample(s) tested complies with the requirements of IEC 62368-1: 2014 (2. Ed.)/Cor.1:2015 and EN 62368-1: 2014/AC: 2015/A11: 2017/AC: 2017.

**Summary of compliance with National Differences:**

The following group and/or national deviations were considered: EU, EFTA

**Country abbreviations according to ISO 3166-1:**

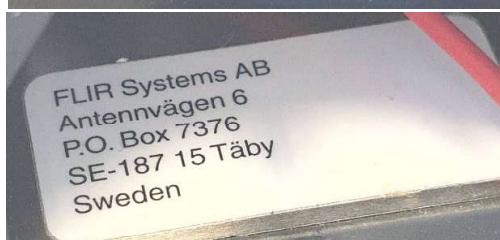
AR	Argentina	AT	Austria	AU	Australia
BE	Belgium	BG	Bulgaria	BR	Brazil
CA	Canada	CH	Switzerland	CN	China
CY	Cyprus	CZ	The Czech Republic	DE	Germany
DK	Denmark	EE	Estonia	ES	Spain
FI	Finland	FR	France	GB	United Kingdom
GR	Greece	HU	Hungary	HR	Croatia
IE	Ireland	IL	Israel	IT	Italy
IS	Iceland	IN	India	JP	Japan
KR	Rep. of Korea	LI	Liechtenstein	LT	Lithuania
LV	Latvia	LU	Luxembourg	MT	Malta
MY	Malaysia	NL	Netherlands	NO	Norway
NZ	New Zealand	PL	Poland	PT	Portugal
RS	Serbia	RU	Russian federation	SE	Sweden
SG	Singapore	SK	Slovakia	SI	Slovenia
TR	Turkey	UA	Ukraine	AE	United Arab Emirates
US	United States of America	ZA	South Africa		

**Other country abbreviations:**

EU	European Union	(AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, LT, LV, LU, MT, IE, IT, NL, PL, PT, RS, SE, SK, SI)
EFTA	European Free Trade Association	(NO, CH, IS, LI)

**The following abbreviations were used in this test report:**

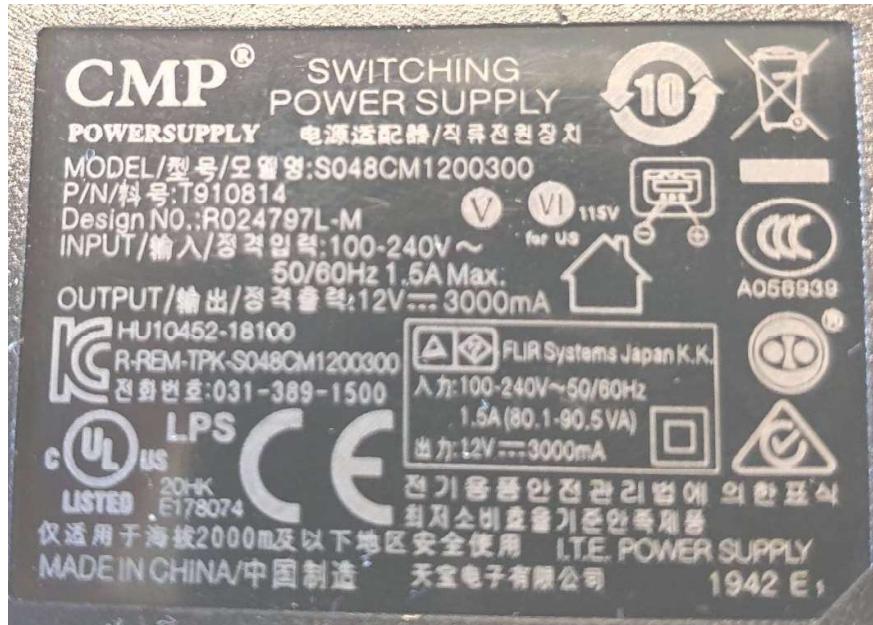
AC: Alternating Current	DC: Direct Current	PE: Protective earth
PRI: Primary circuit	SEC: Secondary circuit	PS: Power Supply
GND: Ground	PCB: Printed circuit board	BAT: Battery
EUT: Equipment under Test	OC: Open Circuit	SC: Short Circuit
PIS: Potential Ignition Source	PIS-A: PIS arcing	PIS-R: PIS resistive
ID: According table 14		

**Copy of marking plates:**

Camera

**Copy of marking plates:**


Battery



Power Supply/Charger

<b>Test item particulars</b>			
Applicable persons groups .....	Instructed / Skilled / Ordinary / Children likely to be present		
Accessibility .....	User access		
Type of enclosure.....	Decorative		
Enclosure material .....	Plastic HB		
PCB material .....	V-0		
Pollution degree PD .....	2		
IP protection class .....	X0		
Safeguard enclosure.....	TS1	MS1	RS1
Safeguards interfaces .....	Power in USB Micro B Memory card HDMI High-speed interface Battery Charger out		
Insulation between .....	ES1 – ES1: Functional		
Type of temperature controls.....	None		
Orientation during use.....	Vertical / horizontal		
Orientation during transport .....	Vertical / horizontal		
Equipment mobility.....	Camera: Hand-held		
Connection to the mains/supply.....	Charger: Type A		
Protective device building or equipment installation.:	16A		
Operating condition.....	Continuous		
Over voltage category OVC .....	II		
Supply tolerance .....	± 10%		
Tested for IT power systems .....	No		
IT testing, phase-phase voltage .....	No		
Construction class .....	Charger:	II	
	Camera:	III	
Equipment class .....	Charger:	II	
	Camera:	III	
Rated atmospheric humidity .....	10 to 85% (Non Condensing)		
Rated temperature range .....	-10°C to + 50°C		
Mass of equipment .....	2011g		
Altitude during operation .....	≤ 2000 m		
<b>Possible test case verdicts:</b>			
- test case does not apply to the test object.....	N/A		
- test object does meet the requirement.....	P (Pass)		
- test object does not meet the requirement.....	F (Fail)		

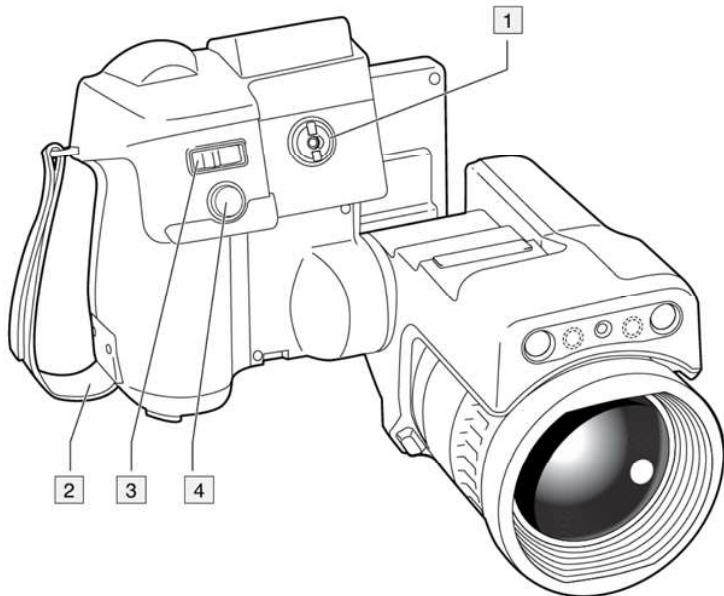
**Testing** .....

Date of receipt of test item .....: 2020-06-22

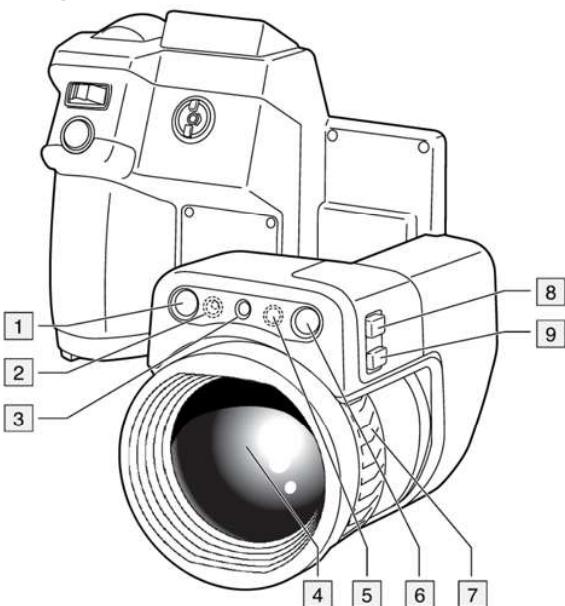
Date(s) of performance of tests .....: 2020-06-22– 2020-10-28

**General product information:**

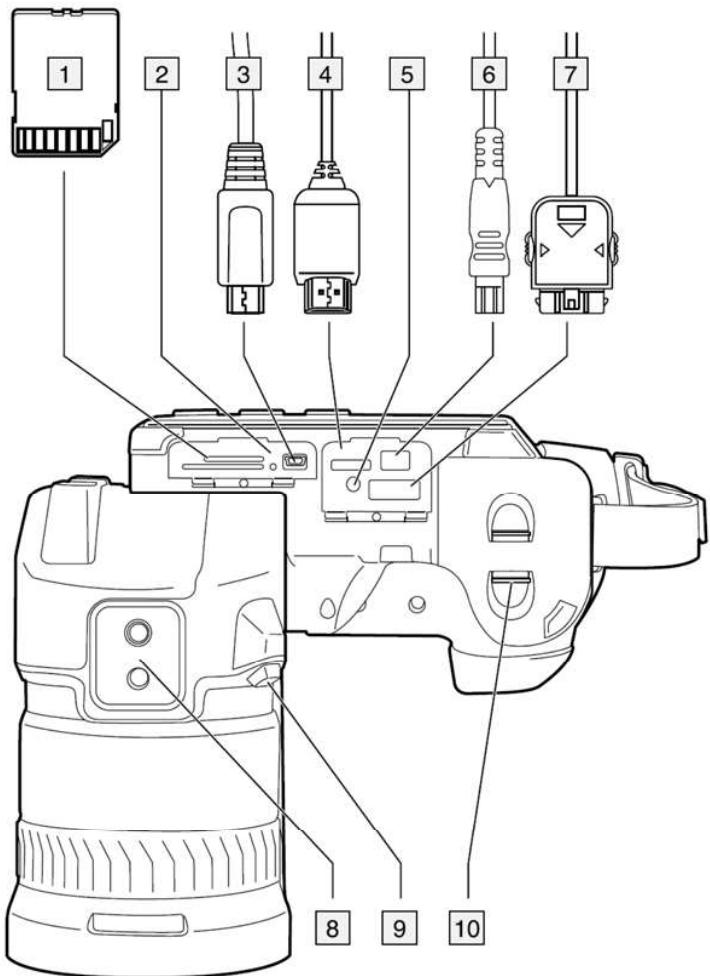
The EUT is an infrared thermal imaging camera. It is powered by an internal Li-ion battery that is charged via a special connector.

**Controls elements:**

1. Knob to change the dioptic correction for the viewfinder
2. Hand strap
3. Digital zoom button
4. Save button (push fully down)

**Other parts:**

1. Digital camera
2. Camera lamp
3. Laser pointer
4. Infrared lens
5. Camera lamp
6. Digital camera
7. Focusing ring
8. Programmable button
9. Button to operate the laser pointer

**General product information:****Interfaces and indicators:**

1	Memory card
2	LED indicator showing that the memory card is busy
3	USB Micro B cable (to connect the camera to a computer)
4	HDMI cable (for digital video output)
5	Battery condition LED indicator
6	Power supply cable (to power the camera and charge the battery)
7	High-speed interface cable
8	Tripod mount
9	Button to release the lens
10	Latch to release the battery

**The following Attachments are integral part of this test report:**

- Annex 1: Photo documentation