

**ZONE 2/22
CL I, II, III DIV 2**



Kreski

Zapraszamy do kontaktu!
Więcej informacji: www.kreski.pl

IS-TC1A.2

➤ Capture, analyze and document thermal images



The set consisting of the thermal imaging camera IS-TC1A.2 and the industrial smartphone IS530.2 detects temperatures in the Ex-hazardous area from -40 °C to 330 °C in a matter of seconds via the Seek Thermal app (free download in Google Play Store). The thermal images and videos are processed and documented directly via the ISM interface of the IS530.2 smartphone.

i.safe MOBILE

DATASHEET

IS-TC1A.2



APPROVALS



ATEX approval: Ex-Zone 2/22
 Ⓜ II 3G Ex ic IIC T4 Gc
 Ⓜ II 3D Ex ic IIIC T135°C Dc



IECEx approval: Ex-Zone 2/22
 Ex ic IIC T4 Gc
 Ex ic IIIC T135°C Dc



UKCA approval: EX-Zone 2/22
 Ⓜ II 3G Ex ic IIC T4 Gc
 Ⓜ II 3D Ex ic IIIC T135°C Dc



NEC500 approval:
 Class I Div 2 Groups A, B, C, D, T4
 Class II Div 2 Groups F, G, T135°C
 Class III Div 2

TECHNICAL FEATURES

Sensor resolution	200 (h) x 150 (v) 30000 Pixels FixFocus Digital zoom over app
Sensor sensivity	65 mK (typical)
Frame rate	<9 Hz to 32 Hz
Scene dynamic range	-40 °C to 330 °C
Temperature accuracy	± 7 °C and 7 % (at 5 °C to 140 °C) ± 10 °C and 10 % (at 140 °C to 330 °C)
Detection range	up to 300 m
Recognition range	up to 75 m
Identification range	up to 25 m
View range	35° (HFOV) 26° (VFOV)
Dimensions	size: 112 x 82 x 50 mm weight: 190 g
Power supply	over the connected mobile device
Communication	over the multi functional ISM interface of the IS530.1
Types of protection	IP68 MIL-STD 810H useable from -20 °C to + 55 °C

IS530.2



Android™ 13



4,5" Gorilla Glass®
 3. generation,
 resolution 854 x 480 pixels



3600 mAh battery,
 replaceable,
 3,8 V, 13,68 Wh



Bluetooth® 5



GSM 850/900/1800/1900 MHz
 WCDMA: UMTS B1/2/4/5/8
 LTE-FDD: B1/2/3/4/5/7/8/12
 with MFBI B13/14/17/20/25/
 26/28A/28B/29/30/66
 LTE-TDD: B38/B39/B40/B41
 TD-SCDMA: B34/B39



Qualcomm Snapdragon SDM660 Octa-Core
 Kryo Gold-Quad cores, 2,2 GHz
 Kryo Silver-Quad cores, 1,8 GHz
 4 GB RAM
 64 GB internal memory



2,4 GHz + 5 GHz: IEEE 802.11
 a/b/g/n/ac/e/k/r/h with hotspot
 for max. 8 connections

The complete description you will find on our homepage: www.isafe-mobile.com