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БЕЛКОМ ООД
8000 Бургас Цар Асен 24
тел.: 0878 318 028, 0878 318 017
П.К. 322



Всички доставки се извършват съгласно "Общите търговски условия" на Белком ООД

Изх. № 0292 / 18.7.2022

До: АЕЦ ЕАД , гр. Козлодуй
На вним. на: г-н Христо Пачев
e-mail: HPatchev@npp.bg
тел.: 0973 7 6140

Индикативно предложение /за ПОКАНА ЗА ПАЗАРНА КОНСУЛТАЦИЯ № 49589/

№	Наименование	К-во бр.	Ед. цена в лв. без ДДС	Стойност в лв. без ДДС
1	Доставка на инфрачервена термовизионна камера КТ-670.1, в комплект с: - High temperature filter 2000°C; - Tele IR lens 11.3° x 8.5° / 55 mm; - Wide-angle IR lens 45.4° x 34.8° / 13 mm; - Factory calibration certificate; произход EU. Техническа информация можете да погледнете в прикачения файл.	1	62 886,46	62 886,46
			Дан. основа	62 886,46
			ДДС 20%	12 577,29
			Сума за плащане	75 463,75

УСЛОВИЯ НА ДОСТАВКА:

Цени: с платено мито и транспорт, без ДДС до склад на Купувача /град Козлодуй/
Условия на плащане: до 30 дни след получаване и фактура
Срок на доставка: 30-60 дни, подлежи на уточнение при заявка
Валидност: 30 дни
Гаранция: 24 месеца

Техническа документация: на английски език

Забележка:

При доставка ще бъдат представени следните документи:

Инструкции за експлоатация
Декларация за съответствие
Приемо предавателен протокол
Гаранционна карта
Данъчна фактура - оригинал

Данни за фирма Белком ООД:

адрес : град Бургас, улица Цар Асен 24
лице за контакт: Георги Апостолов
телефонен номер: 0878 318 028
електронна поща: georgi.apostolov@belcom.bg
фирмен сайт: www.belcom.bg

Белком ООД

инж. Георги Апостолов

KT-670 / KT-650 / KT-560

index: WMXXKT670 / WMXXKT650 / WMXXKT560



Overview

The Sonel KT Series Thermal Imagers are budget-friendly yet offer highly accurate temperature measurements. Robustly designed and constructed, they are ideally suited for:

- Troubleshooting electrical installations, wiring, panels, motors, breakers, transformers, switchgear, and electrical equipment;
- Monitoring the thermal performance of industrial manufacturing processes;
- Identifying overheating of mechanical and electro-mechanical components;
- Inspecting buildings for insulation leaks, energy audits, HVAC/R equipment, water damage, and pests;
- Locating hidden heat sources (of people, animals, objects) in dark / low-light conditions.

User friendly operation

The user-friendly design, light weight, and intuitive handling make Sonel thermal cameras a pleasure to use. Experienced or new users needing a professional diagnostic tool will find the menus easy to navigate via the touchscreen. Both the touchscreen and the lens swivel independently to view objects of interest that are difficult to access from any angle.

Key features

- Removable Li-ion battery with 4 hour working time
- 5" large rotating touchscreen with no image cropping
- High brightness display gives detailed information in high ambient light or outdoors
- Save IR images and videos (to SD card or directly to a PC)
- Built-in Report module for complete thermal analysis in the camera
- View images as: IR, visual, "picture in picture" and MIF mode (combined visual and IR)
- Add voice and text notes, draw graphical symbols (arrows or circles) on images
- 5 Mpix visual camera
- GPS, digital compass, LED flashlight and laser pointer
- Micro USB 2.0, Wi-Fi, Bluetooth®, Gigabit Ethernet, Mini USB and SD slot for data transfer
- **ThermoAnalyze2** Software for PC

Specifications

	KT-670	KT-650	KT-560
Detector type	640 x 480		384 x 288
Spectral range	7.5~14 μm		
Thermal sensitivity	30 mK	40 mK	50 mK
Lens (FOV /focal length)	24.6° x 18.5°/25 mm option: 45.4° x 34.9°/13 mm 11.3° x 8.5°/55 mm 7.3° x 5.5°/85 mm		21.7° x 16.4°/25 mm option: 40.5° x 31.0°/13 mm 10.0° x 7.5°/55 mm 6.7° x 5.1°/85 mm
Display	5", 1280 x 720, HQ touch LCD		
Viewfinder	1280 x 960 LCOS		
Picture type	IR image/Visual image/PIP/MIF (combined)		
Zoom	1...10	1...4	
Temperature range	Range 1: -20°C...150°C / -4°F...302°F Range 2: 150°C...800°C / 302°F...1472°F Option: 2000°C / 3632°F		
Accuracy	±2°C or 2% of reading		
Image analysis modes	10 points, 10 lines, 10 polygons, temperature display: min, max, avg, isotherm, dew point, temperature alarm	8 points, 8 lines, 8 polygons, temperature display: min, max, avg, isotherm, dew point, temperature alarm	5 points, 2 lines, 5 polygons, temperature display: min, max, avg isotherm, dew point, temperature alarm
Palette	10	8	
Emissivity	Adjustable from 0.01 to 1.00 or from the list of materials		
Measurement correction	Adjustable: distance, relative humidity, ambient temperature		
File format	JPG		
Notes to pictures	Voice note (up to 60s), text, graphical, additional visual pictures	Voice note (up to 60s), text, graphical	
Reports module	Reports to PDF, printing via WiFi directly from the camera, or via PC		
Video file format	AVI, IRV (with temperature info)		
Built-in functions	Visual camera 5 Mpix, LED flashlight, GPS, laser pointer, microphone, loudspeaker, digital compass, light sensor		
Wireless communication	Wi-Fi + Bluetooth	Wi-Fi	
Interface	SD card, LAN 1 Gb/s, mini HDMI, microUSB 2.0		
Power supply	Li-Ion battery (work time >4 hours), built-in charger, AC adapter 110-230 V, 50/60 Hz		
Work temperature	-15°C...+50°C / 5°F...122°F		
Storage temperature	-40°C...+70°C / -40°F...158°F		
Humidity	10%...95%		
Shock / vibration	25G, IEC 60068-2-29 / 2G, IEC 60068-2-6		
Casing	IP54		
Weight	1.3 kg / 2.9 lbs (with battery)		

Standard accessories

Rechargeable Li-Ion battery	WAAKU18
Power adapter	WAZASZ13
External battery charger (KT-670)	WAZASZ14
USB cable (A to Micro B Type)	WAPRZUSBMICRO
RJ45 cable	WAPRZRJ45
HDMI cable	WAPRZHDMI
16 GB SD memory card	WAPOZSD16
Shoulder strap	WAPOZPAS3
L9 carrying case	WAWALXL9
Calibration certificate issued by an accredited laboratory (no accreditation)	

Optional accessories

External battery charger (KT-560/650)	WAZASZ14
HDMI to RCA converter	WAADAHDMIXRCP
High temp filter	WAADAOF1
42.1°×32.2°/13 mm wide angle lens (KT-560)	WAADA013V560
10.4°×7.8°/55 mm tele lens (KT-560)	WAADA055V560
45.4°×34.9°/13 mm wide angle lens (KT-657/670)	WAADA013V650
11.3°×8.5°/55 mm tele lens (KT-650/670)	WAADA055V650
M11 bag	WAFUTM11

Sonel ThermoAnalyze 2

Software for analyses and reports, included in the thermal imager kit.

- Capability of correcting emissivity factor for part of or the entire thermal image – the factor can be corrected for each selected area individually,
- Selection of analysed areas – selecting a rectangular, oval or area of any shape.
- Readout of temperature at any point – placing the cursor over the „Information” window results in the continuous readout of the temperature and current coordinates as well as other available saved information (maximum temperature, humidity, emissivity).
- Use of Infra Fusion technology – a thermal image is overlaid on part of the visual image in any user-selected palette. The thermal image is overlaid with selected transparency, thus allowing for the optimal presentation and the marking of areas of interest, especially, if it is difficult to visually compare spots in the thermogram with the details of the visual image of the object under observation.
- Determining and readout of the minimum, maximum and average temperature for the entire area, as well as for each selected area. Selection of a section (straight line or polyline).
- Creation of reports in a simple way, a report can include all the required elements – thermal images, corresponding visual images.
- Records of all the introduced corrections as well as characteristic points in order to enable further analysis at a later date.
- Selection of the visually optimal colour palette (from 9 palettes available in the software) for the best visual presentation of temperature changes. Definition of the temperature range for the best presentation of temperature distribution (manual or automatic mode available).
- This software has an unlimited license - it can be used simultaneously on many PCs.



DEKLARACJA ZGODNOŚCI UE

EN: DECLARATION OF CONFORMITY UE	
EL: ΔΗΛΩΣΗ ΣΥΜΒΑΤΟΤΗΤΑΣ ΕΕ	DE: EG-KONFORMITÄTSEKTLÄRUNG
ES: DECLARACIÓN DE CONFORMIDAD UE	HU: EU MEGFELELŐSÉGI NYILATKOZAT
IT: DICHIARAZIONE DI CONFORMITÀ UE	LV: ES ATBILSTĪBAS DEKLARĀCIJA
LT: ES ATITIKTIES DEKLARACIJA	NL: CONFORMITEITSVERKLARING EU
CS: ES PROHLÁŠENÍ O SHODĚ	PT: DECLARAÇÃO DE CONFORMIDADE UE
RO: DECLARAȚIE DE CONFORMITATE CE	SK: VYHLÁSENIE O ZHODE EÚ

PL: Typ / Model:	Kamery termowizyjne KT-560.1, KT-650.1, KT-670.1
CS: Typ / Model:	Termovizní kamery KT-560.1, KT-650.1, KT-670.1
DE: Typ / Modell:	Wärmebildkameras KT-560.1, KT-650.1, KT-670.1
EL: Τύπος / Μοντέλο:	Κάμερες θερμικής απεικόνισης KT-560.1, KT-650.1, KT-670.1
EN: Type / Model:	Infrared cameras KT-560.1, KT-650.1, KT-670.1
ES: Tipo / Modelo:	Cámaras termográficas KT-560.1, KT-650.1, KT-670.1
HU: Típus/Modell:	Termovíziós kamerák KT-560.1, KT-650.1, KT-670.1
IT: Tipo / Modello:	Termocamere KT-560.1, KT-650.1, KT-670.1
LV: Tips / Modelis:	Infrasarkanās kameras KT-560.1, KT-650.1, KT-670.1
LT: Tipas / Modelis:	Terminio vaizdo kameros KT-560.1, KT-650.1, KT-670.1
NL: Type/ Model:	Warmtebeeldcamera's KT-560.1, KT-650.1, KT-670.1
PT: Tipo/ Modelo:	Câmaras termográficas KT-560.1, KT-650.1, KT-670.1
RO: Tip / Model:	Camere de termoviziune KT-560.1, KT-650.1, KT-670.1
SK: Typ / Model:	Termovízne kamery KT-560.1, KT-650.1, KT-670.1

PL: Producent:	DE: Hersteller:	EL: Κατασκευαστής:	EN: Manufacturer:	ES: Empresa:
HU: Gyártó:	IT: Costruttore:	LV: Ražotājs:	LT: Gamintojas:	NL: Fabrikant:
CS: Výrobce:	PT: Fabricante:	RO: Producătorul:	SK: Výrobca:	

Sone! S.A.

PL: Adres:	DE: Adresse:	EL: Διεύθυνση:	EN: Address:	ES: Dirección:
HU: Cím:	IT: Indirizzo:	LV: Adrese:	LT: Adresas:	NL: Adres:
CS: Adresa:	PT: Morada:	RO: Adresa:	SK: Adresa:	

**ul. Stanisława Wokulskiego 11
58-100 Świdnica
Polska**

PL: Niniejsza deklaracja zgodności zostaje wydana na wyłączną odpowiedzialność producenta.	
CS: Toto prohlášení o shodě se vydává na výlučnou odpovědnost výrobce.	
DE: Diese Konformitätserklärung ist unter der alleinigen Verantwortung des Herstellers ausgestellt.	
EL: Παρούσα δήλωση συμβατότητας εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή.	
EN: This declaration of conformity is issued under the sole responsibility of the manufacturer.	
ES: Esta declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante.	
HU: A jelen megfelelőségi nyilatkozat kiadása a gyártó kizárólagos felelősségére történik.	
IT: La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del costruttore.	
LV: Šī atbilstības deklarācija ir izdota vienīgi uz šāda ražotāja atbildību.	
LT: Ši atitikties deklaracija išduodama tik gamintojo atsakomybe.	
NL: Deze conformiteitsverklaring wordt verstrekt onder volledige verantwoordelijkheid van de fabrikant.	
PT: A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante.	
RO: Prezenta declarație de conformitate este emisă pe răspunderea exclusivă a producătorului.	
SK: Toto vyhlásenie o zhode sa vydáva na výhradnú zodpovednosť výrobcu.	

PL: Przedmiot deklaracji: Nr seryjny ≥ DE: Gegenstand der Erklärung: Serien-Nr. ≥ EL: Αντικείμενο δήλωσης: Αριθμός σειράς ≥ EN: Object of declaration: Serial number ≥ ES: Objeto de la declaración: Nº de serie ≥ HU: A nyilatkozat tárgya: Sorozatszám ≥ IT: Oggetto della dichiarazione: Matricola ≥	CS: Předmět prohlášení: Výrobní č. ≥ LV: Deklarācija priekšmets: Sērijas numurs ≥ LT: Deklaracijos objektas: Serijos numeris ≥ NL: Voorwerp van de verklaring: Serienummer ≥ PT: Objeto da declaração: N.º de série ≥ RO: Obiectul declarației: Nr. de serie ≥ SK: Predmet vyhlásenia: Sériové číslo ≥
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KT-560.1: L00001, KT-650.1: LP0001, KT-670.1: LR0001

PL: Wymieniony powyżej przedmiot niniejszej deklaracji jest zgodny z następującymi wymaganiami unijnego prawodawstwa harmonizacyjnego:

CS: Výchše uvedený předmět prohlášení je v souladu s následujícími požadavky harmonizovaných právních předpisů EU:

DE: Der oben genannte Gegenstand dieser Erklärung erfüllt folgende Anforderungen der EU-Harmonisierungsvorschriften:

EL: Το προαναφερόμενο αντικείμενο της παρούσας δήλωσης είναι συμβατό με τις απαιτήσεις του ευρωπαϊκού νόμου εναρμόνισης:

EN: The above-mentioned subject of the declaration complies with the following requirements of EU harmonisation legislation:

ES: El objeto al que se refiere esta declaración cumple con los siguientes requisitos de la legislación de armonización de la Unión Europea:

HU: A jelen nyilatkozat fent említett tárgya megfelel a harmonizált uniós jog következő előírásainak:

IT: L'oggetto sopra specificato risulta conforme alle disposizioni delle seguenti norme europee armonizzate:

LV: Iepriekš aprakstītais šīs deklarācijas priekšmets atbilst sekojošām Savienības saskaņošanas tiesību aktu prasībām:

LT: Aukščiau nurodytas šios deklaracijos objekto atitinka šias Europos Sąjungos teisės aktų normalizavimo reikalavimus:

NL: De hiervoor genoemde doel van de verklaring voldoet aan de volgende eisen van de harmonisatiewetgeving van de Unie:

PT: O objeto da presente declaração acima referido está conforme com os seguintes requisitos da legislação de harmonização da UE:

RO: Obiectul prezentei declarații, menționat mai sus, îndeplinește următoarele cerințe ale legislației UE armonizate:

SK: Vyššie uvedený predmet vyhlásenia je v súlade s príslušnými harmonizačnými právnymi predpismi Únie:

PL: Dyrektywa:	DE: Direktive:	EL: Οδηγία:	EN: Directive:	ES: Directiva:
HU: Irányelv:	IT: Direttive:	LV: Direktība:	LT: Direktyva:	NL: Richtlijn:
CS: Směrnice:	PT: Diretiva:	RO: Directiva:	SK: Smernica:	
Electromagnetic compatibility (EMC) 2014/30/EU				
PL: Normy:	DE: Normen:	EL: Πρότυπα:	EN: Standards:	ES: Normas:
HU: Szabványok:	IT: Norme:	LV: Normas:	LT: Standartai:	NL: Normen:
CS: Normy:	PT: Normas:	RO: Standardele:	SK: Normy:	
<input checked="" type="checkbox"/> EN 61326-1:2013 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements.				
<input checked="" type="checkbox"/> EN 61000-3-2:2014 Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤16 A per phase).				
<input checked="" type="checkbox"/> EN 61000-3-3:2013 Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤16 A per phase and not subject to conditional connection.				

PL: Dyrektywa:	DE: Direktive:	EL: Οδηγία:	EN: Directive:	ES: Directiva:
HU: Irányelv:	IT: Direttive:	LV: Direktība:	LT: Direktyva:	NL: Richtlijn:
CS: Směrnice:	PT: Diretiva:	RO: Directiva:	SK: Smernica:	
Low Voltage Directive (LVD) 2014/35/EU				
PL: Normy:	DE: Normen:	EL: Πρότυπα:	EN: Standards:	ES: Normas:
HU: Szabványok:	IT: Norme:	LV: Normas:	LT: Standartai:	NL: Normen:
CS: Normy:	PT: Normas:	RO: Standardele:	SK: Normy:	
<input checked="" type="checkbox"/> EN 61010-1:2010/A1:2019 Safety requirements for electrical equipment for measurement, control, and laboratory use. Part 1: General requirements.				

PL: Dyrektywa:	DE: Direktive:	EL: Οδηγία:	EN: Directive:	ES: Directiva:
HU: Irányelv:	IT: Direttive:	LV: Direktība:	LT: Direktyva:	NL: Richtlijn:
CS: Směrnice:	PT: Diretiva:	RO: Directiva:	SK: Smernica:	
Radio Equipment Directive (RED) 2014/53/EU				
PL: Normy:	DE: Normen:	EL: Πρότυπα:	EN: Standards:	ES: Normas:
HU: Szabványok:	IT: Norme:	LV: Normas:	LT: Standartai:	NL: Normen:
CS: Normy:	PT: Normas:	RO: Standardele:	SK: Normy:	
<input checked="" type="checkbox"/> ETSI EN 301 489-1 V2.2.3:2019 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services. Part 1: Common technical requirements. Harmonised Standard for ElectroMagnetic Compatibility.				
<input checked="" type="checkbox"/> ETSI EN 301 489-3 V2.1.1:2019 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services. Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz. Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.				
<input checked="" type="checkbox"/> ETSI EN 301 489-17 V3.2.4:2020 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services. Part 17: Specific conditions for Broadband Data Transmission Systems. Harmonised Standard for ElectroMagnetic Compatibility.				
<input checked="" type="checkbox"/> ETSI EN 300 328 V2.2.2:2019 Wideband transmission systems. Data transmission equipment operating in the 2,4 GHz band. Harmonised Standard for access to radio spectrum.				

PL: Dyrektywa:	DE: Direktive:	EL: Οδηγία:	EN: Directive:	ES: Directiva:
HU: Irányelv:	IT: Direttive:	LV: Direktība:	LT: Direktyva:	NL: Richtlijn:
CS: Směrnice:	PT: Diretiva:	RO: Directiva:	SK: Smernica:	

Radio Equipment Directive (RED) 2014/53/EU

PL: Normy:	DE: Normen:	EL: Πρότυπα:	EN: Standards:	ES: Normas:
HU: Szabványok:	IT: Norme:	LV: Normas:	LT: Standartai:	NL: Normen:
CS: Normy:	PT: Normas:	RO: Standardele:	SK: Normy:	

- ETSI EN 301 893 V2.1.1:2017 5 GHz RLAN. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU.
- ETSI EN300 440 V2.2.1:2018 Short Range Devices (SRD). Radio equipment to be used in the 1 GHz to 40 GHz frequency range. Harmonised Standard for access to radio spectrum.
- EN 62479:2010 Assessment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz).

PL: Podpisano w imieniu: SONEL S.A. DE: Unterzeichnet im Auftrag von: SONEL S.A. EL: Υπογράφηκε για: SONEL S.A. EN: Signed on behalf of: SONEL S.A. ES: Firmado en nombre de: SONEL S.A. HU: Aláírva a következő nevében: SONEL S.A. IT: Firmato a nome di: SONEL S.A.	CS: Podepsáno jménem: SONEL S.A. LV: Parakstīts SONEL S.A. vārdā LT: Pasirašyta SONEL S.A. vardu NL: Ondertekend namens: SONEL S.A. PT: Assinado em nome de: SONEL S.A. RO: Semnează în numele: SONEL S.A. SK: Podpísané v mene: SONEL S.A.
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Świdnica, 25.01.2022r.	Paweł Lepczyński Director of Development Залічено на основаніе ЗЗЛД
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Świdnica, 01.02.2022

HX/2021/115

DISTRIBUTOR CERTIFICATE

TO WHOM IT MAY CONCERN

We undersigned,

SONEL S.A.
Ul. Wokulskiego 11
58-100 Świdnica
POLAND

herby certify that we are doing business with the following company who distributes our products in Bulgaria:

Belcom Ltd
P.O.Box 322
24 Zar Assen
Burgas 8000
Bulgaria

This authorization is with one year of validity.

Заличено на основание ЗЗЛД

Paweł Żemojcin

Export Department
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