

# ***VOLTCRAFT***

## **VOLTCRAFT - TOP PERFORMANCE IN EVERY WAY**

For more than 40 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success.

## **WBP-120** **Thermal Imaging Camera**

CE

**Item no: 2525736**

The product is a handheld thermal imager that measures and visualizes object temperatures. The product can measure temperatures from -20 to +550 °C.



## FEATURES

Measure temperatures from -20 to +550 °C // IP54 protection // Drop protection (2 m) // Wi-Fi connectivity // Micro SD card storage // Mobile App

## TECHNICAL DATA

### Power supply

Rechargeable battery	3.7 V, Li-ion, 1500 mAh
Battery life	max. 4 h
Charging input	5 V/DC via USB-C™ socket

### Flashlight

Colour temperature	5700 K
Luminous flux	150 lm

### Thermal camera

Field of view (FOV)	50° x 37°
Focus distance	min. 0.5 m
Focal plane array (FPA)	Uncooled microbolometer
Spectral range	8 - 14 µm
Thermal sensitivity/NETD	<0.05 °C at +30°C (+86°F) / 80 mK
Image frequency	50 Hz
IR Resolution	120 x 90 pixels
Focus mode	Focus free
Zoom	1 - 32x continuous digital zoom

### Digital camera

Field of view (FOV)	59°
Resolution	2 MP

### Temperature measurement

Temperature range	-20 to +150 °C (-4 to +302 °F) 0 to +550 °C (+32 to +1022 °F)
Accuracy	±2 °C (±3.6°F) or ±2 % of reading (Environment temperature +10 to +35 °C; Object temperature >0 °C)
Emissivity	0.01 - 1.00

### Temperature measurement analysis

Spot	Centre spot Three manual spots
Automatic hot/cold detection	Auto hot or cold markers
Area analyses	Three areas

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Line analyses	Two lines
Measurement corrections	Emissivity, reflected temperature, ambient temperature, atmospheric humidity, infrared compensation, distance compensation

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### Image presentation

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Display	LCD
Display resolution	640 x 480 px
Display size	89 mm (3.5")
Image modes	IR image, visual image, picture in picture, auto fusion
Colour palette	Iron, rainbow, white hot, black hot, brown hot, blue-red, hot-cold, feather, above alarm, below alarm, zone alarm, vision zone

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### Data interface

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Wired	USB-C®
Wireless	Standard: Wi-Fi IEEE 802.11 Frequency: 2.400 – 2.484 GHz Transmission power: 17 dBm Range: 10 m

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### Data storage

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Memory card	MicroSD, max. 32 GB
Image format	JPEG, HIR (including measurement data)
Video encoding	MPEG-4
Video resolution	640 x 480 px at 30 fps

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### Computer software

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System requirements	Windows® 7 or higher, .NET Framework 4.6
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### Mobile app

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System requirements	min. Android 5.0, min. iOS 8.0
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### Protection

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Drop proof	max. 2 m
Ingress protection	IP54

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### Environment

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Operating temperature	-15 to +50 °C
Storage temperature	-40 to +70 °C

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## Other

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Dimensions (W x H x D)	128 x 90 x 22 mm
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Weight	196 g
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Thermal camera // USB-C® cable // MicroSD card (32 GB) // Lanyard // Operating instructions

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