

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.

WBS-120 ANDROID SMART PHONE THERMAL CAMERA



Item no: 2875798

The WBS-120 is a 25 Hz thermal imaging camera that connects to Android smartphones via USB-C®. The thermal imaging camera features a 120 x 90 pixel bolometer matrix with a thermal sensitivity of 80 mK and measures temperatures from -20 to +400 °C.

FEATURES

USB-C® connector // -20 to +400 °C temperature reading range //
25 Hz refreshing rate // 50 mK thermal sensitivity //
120 x 90 px Bolometer matrix // 9 colour palettes



TECHNICAL DATA

Power supply	via smartphone; 5 V/DC
Smartphone operating system	Android 5.0 or later
Interface	USB-C®, USB OTG
Storage format	jpg, mp4, pdf
Measuring range	-20 to +400 °C
Resolution	0.1 °C
Accuracy	±3 °C or ±3 % (whichever is higher)
Thermal sensitivity (NETD)	<0.05 °C @ +30 °C / 50 mK
Field of view (FOV)	50° x 37°
Thermal resolution	120 x 90 px
Refreshing rate	25 Hz
Minimum focus range	Typical 0.5 m

Focus adjustment	none
Spectral range	8 - 14 μm
Colour palettes	9
Emissivity	0.95 (fixed)
Operating temperature	0 to +35 °C (Optimal: +16 to +22 °C)
Operating humidity	5 - 95 % RH (non-condensing)
Storage temperature	-10 to 55 °C
Storage humidity	5 - 95 % RH (non-condensing)
Dimensions (W x H x D) (approx.)	52 x 28 x 16 mm
Weight (approx.)	21 g

Measuring tolerances

High-frequency electromagnetic fields can affect the accuracy of measurements.

CONTENTS

Thermal camera // Storage case // Operating instructions

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