

Product Datasheet

CVUTSeek



**FAKULTA
ELEKTROTECHNICKÁ
ČVUT V PRAZE**

General Information

Parameter	Description
Manufacturer	Czech technical university in Prague
Release Date	24. 5. 2024
Product Website	https://github.com/Doktojak/CVUTSeek

Technical Specifications

Dimension		Size [cm]
Height		36
Width		20
Depth		28
Performance specification		Details
Processor		Broadcom BCM2711, Quad core Cortex-A72
Memory		4 GB
Storage		32 GB
Connectivity		Details
Wireless		Capable of wireless connectivity
Ports		2x USB 2.0, 2x USB 3.0, 1x 1 Gb ethernet, 2x micro-HDMI
Display		Details
Type		Capacitive touchscreen
Size		4.3 inch
Resolution		800x480

IR specification	Details
Type	Uncooled microbolometer
Resolution	320x240 pixels
Pixel pitch	12 m
Spectral range	7.8 m - 14 m
FOV (HFOVxVFOV)	24° x 18°
Fixed Focus Distance:	38 mm
Measurement area	15 mm x 11 mm
Spot size	45 m/pixel
NETD	<100 mK

Features

- **Measurement accuracy:** The greater of $\pm 5^{\circ}\text{C}$ or 5% between 5°C to 140°C scene temperatures. Typical performance of $\pm 10\%$ between 140°C to 330°C scene temperatures
- **Supported units:** $^{\circ}\text{C}$, $^{\circ}\text{F}$, K
- **Saved image format** .PNG
- **Saved raw data format** .CSV
- **Saved video format** .AVI
- **Number of color palettes:** 22
- **Additional Features:** Reference thermocouple port, Manual emissivity correction, Manual/Automatic temperature scale

Accessories & Packaging

Accessories	Details
Included Accessories	Power adapter (EU), HDMI to micro-HDMI adapter, HDMI-HDMI cable

Support

Service	Details
Support Contact	https://github.com/Doktojak/CVUTSeek
Support Email	doktojak@fel.cvut.cz

Notes

The product is in early stages of development and may have some undiscovered bugs. If found please report so that it can be worked on.

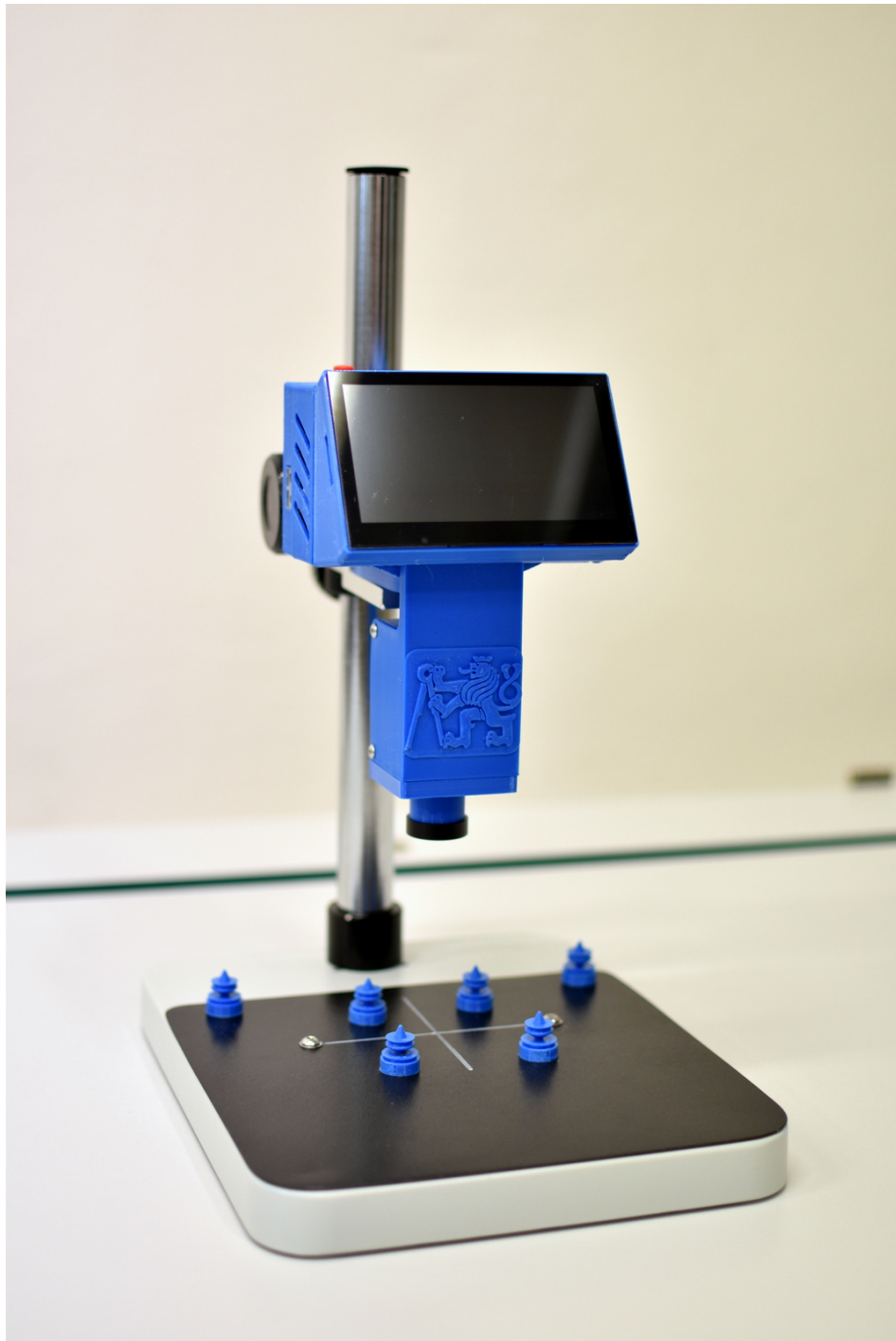


Figure 1: Product photo