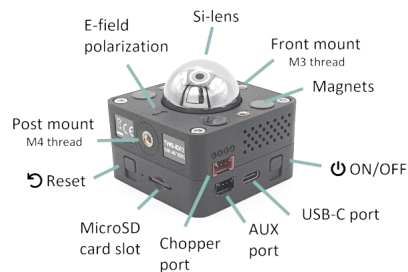


TicCAM-1.1kpix



The 1089-pixel TicCAM-1.1kpix camera offers a feature for real-time video streaming, enabling the camera to capture and transmit live video over Wi-Fi to various devices such as smartphones and web browsers.

Rating: Not Rated Yet

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Description

The TicCAM-1.1kpix supports configurable frame rates, adjustable image quality settings including integration time, averaging, offset compensation (zero), and color-maps. The TicCAM-1.1kpix low power consumption makes it ideal for battery-operated or remotely powered terahertz projects. With its integrated web server and customization options it is an ideal feature for wireless/handheld demonstrations. The TicCAM-1.1kpix offers dual power options via USB-C or an integrated battery, enhancing its portability. It mounts on a post or to custom adapter plates with front M3 threads and can attach to a 60 mm cage using an optional kit (not included). The camera features a hyperhemispherical HRFZ-Silicon lens with a 30 mm diameter and 17.8 mm thickness; alternative optics are available on request. Connectivity with the TicWave Solutions 420 GHz source array (TicSA-420G) is achieved through a chopper link cable (TicLink-1m).

Technical specification

- FPA: 33x33 pixel
- Frame rate: up to 54fps
- Bandwidth: 0.3-1.1THz
- Responsivity: max. 1G counts/W
- MDP: min. 1-2nW @ 320GHz/54fps
- NEP: min. 10-20pW/Hz @ 320GHz
- USB-C interface.
- Lens: HRFZ-Si (other lenses available per request)
- Capacitive touch screen

Cameras: TicCAM-1.1kpix

- TF card slot (16G Maximum size)
- Modulation output (chopper), TTL compatible
- Embedded software including external CLI command-line control and monitor software for Linux/Windows PC
- Dimension 54mm x 54mm x 32mm (excluding lens)

Optical specification

- Effective focal length: 6.206 mm
- Back focal length: 0.996 mm
- Clear aperture: 29.2mm
- Center thickness tol.: $\pm 0.1\text{mm}$
- Radius of curvature tol.: $\pm 0.1\text{mm}$

Specifications are subject to change without prior notice.

Reviews

There are yet no reviews for this product.

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