



## FOTRIC 228Link R&D Thermal Camera

The FOTRIC 228Link R&D Thermal Camera offers powerful, cutting-edge insights for your circuit boards, chips, and electronic equipment. It's designed to detect problems before they occur.

The optional **20µm and 50µm Macro Lens** and **30mk NETD** enable detailed temperature distribution data and microstructures such as chips. Other advanced features like streaming radiometric video of **30Hz, +2°C or + 2 %** measurement accuracy, and powerful AnalyzIR Software on PC, all boost the operational performance, making it an ideal tool to optimize your circuit boards, chips, and more.

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### Main Specifications

Key Features	228Link
Infrared Resolution	640 x 480
Thermal Sensitivity (NETD)	< 0.03°C @30°C , 30mk
Field of View (FOV) - Standard Lens	29°* 22°, IFOV:0.79 mrad
Optional Lens	M20 & M50
Infrared Spectral Band	8µm~14µm
Detector Type	Uncooled infrared focal plane detector
Detector Pitch	17µm
Focus Type	Manual
Temperature Measurement Range	-20°C -150°C ; 0°C -650°C
Accuracy	± 2°C or ± 2 %, whichever is greater (ambient temp between 15°C ~35°C )

Measurement parameters	Emissivity; Ambient temperature; Reflected temperature; Relative humidity;
ROI emissivity	Support
Palettes	9 standard palettes and 9 inverted palettes
Image Processing	Non-uniform calibration, digital enhancement
Image Mirroring	Left-right, up-down, centrosymmetric
Video Stream Compression Standard	H.264
Radiometric stream	Support 25Hz radiometric stream
Pan-tilt control	Support Pelco-D protocol
ROIs	5 points, 10 lines, and 10 regions support Modbus output
Software	AnalyzIR
Ethernet type	10M/100M/1000M adaptive
Cuncurrent Access	Mainstream and substream: 10; Radiometric stream: 1
IP connection interface	ONVIF
Power connector	Screw-on wire terminal
Network connector	Screw-on RJ45 with status indicator LED
Serial port	RS-485
Power supply	12V/24V DC, PoE
Power consumption	<3W
Enclosure Rating	IP40
Weight	490g (without lens or base)

\*Some features might be added or slightly altered according to the region and country

## ALL Applications

*Electric Utilities*

*Maintenance & Reliability*

*Oil & Gas*

*Manufacturing*

*R&D*

*Building Inspection*

*Metallurgy*

*Products Insights*