

## Functional characteristics



**QHH21514L**

- ▲ High sensitivity thermal module with 256 x 192 resolution
- ▲ NETD is less than 60 mk (@25° C, F#=1.0)
- ▲ Supports contrast adjustment
- ▲ Leading thermal image processing technology: Adaptive AGC, DDE, 3D DNR
- ▲ Up to 15 palettes of adjustable color
- ▲ Reliable temperature-anomaly alarm
- ▲ Temperature Range From -15°C to +150°C
- ▲ High quality optical module with 2 MP resolution
- ▲ Bi-spectrum image fusion, picture-in-picture preview

## Specification

Thermal	Image Sensor	VOx Uncooled Focal Plane Arrays
	Resolution	256×192
	Pixel Interval	12μm
	NETD	Less than 60 mK (@25°C,F#=1.1)
	Aperture	F1.0
	Field of View	35° × 27° (H × V)
Optical	Image Sensor	1/2.8" 2.0M Pixel CMOS
	Resolution	1920×1080P
	Min. Illumination	Color: 0.005Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON)
	Field of View	84° × 45° (H × V)
	Focal Length	4mm
	Shutter Speed	1s to 1/100,000s
	White Balance	Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Daylight Lamp/Sodium Lamp
	Day & Night	ModeIR cut filter with auto switch
	WDR	80 dB
Feature	Bi-spectrum Image Fusion	Fusion view of thermal view and overlaid details of the optical channel
	Picture in Picture	Combines details of thermal and optical image PIP, overlay thermal image on optical image

Smart Function	Face snapping	Built-in deep learning AI algorithm, Supports simultaneous detection of 20-30 faces
	Temperature Measurement	Support global and local temperature
	Temperature Range	Temperature Accuracy
	Temperature Accuracy	Target temperature 35°C ^ 38°C ±0.3 °C Target temperature 20°C ^ 33°C ±0.6 °C Target temperature 38°C ^ 50°C ±0.6 °C
Network	Main Stream	Thermal: 25fps(1920 × 1080, 1280 × 720)
	Sub Stream	Thermal: 25fps(704 × 576, 352 × 288)
	Video Compression	H.264 (Baseline/Main/High Profile) /MJPEG/H.265
	Audio Compression	G.711u/G.711a/G.722.1/MP2L2/G.726/PCM
	Protocols	TCP/IP, ONVIF, GB/T 28181, DHCP, RTP, RTSP, PPPoE, UPnP, UDP
	API	ONVIF (Profile S, Profile G, Profile T), SDK
General	Web Client Language	languages English, Chinese
	Power	DC 12V, 0.65A
	Work Temperature/Humidity	From -20°C to 55°C; Humidity: 95% or Less
	Protection Level	IP67
	Dimension	246 mm × 101 mm × 81 mm (with bracket)
	Weight	Approx. 1.0 kg