

K40T Four-Light Pan-Tilt Camera

Product Introduction

The K40T gimbal camera is a high-performance drone payload integrating multiple sensors, specifically designed for drone inspection needs. This gimbal camera combines wide-angle, telephoto, infrared, and laser ranging sensors. Whether tracking moving targets or identifying heat sources, the K40T performs with exceptional precision. It excels in high-altitude target tracking and data collection, providing robust support for public security, firefighting, power, water conservancy, forestry, maritime, and other fields.



290g

Pan-tilt weight



6T Computing Power

AI recognition tracking

48 Million

Wide-angle camera

640x512

thermal imaging camera



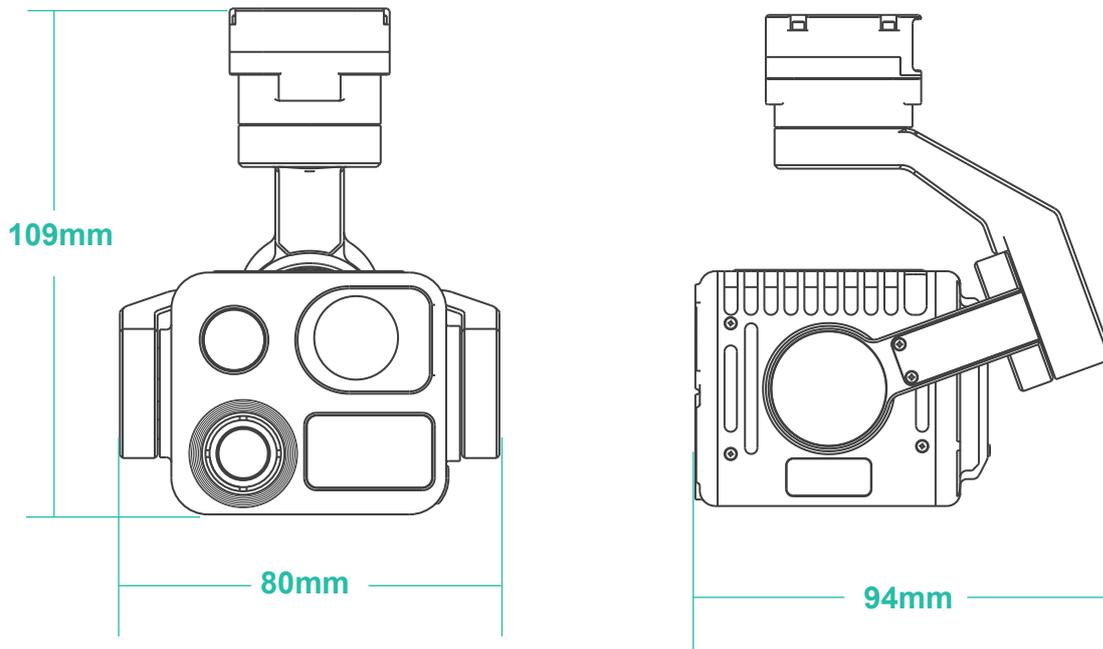
48 Million 11X

telephoto camera

1200m

laser distance measuring instrument

Yuntai exterior dimensions



Parameter list

Pan-Tilt Param-eters	
Number of axes	Mechanical three axis
Control angle range	Pitch: -135° to +45° Roll: -45° to +45°; Bank: -135° to +135°
Maximum control speed	180°/S
Angle jitter	±0.005°
Size	114x84x95mm
Joggle	Network/Serial/Serial Bus
Infrared camera parameters	
Detector type	Vanadium Oxide Non-cooled Infrared Focal Plane Detector
Resolution ratio	640x512
Pixel pitch	12μm
Frame equency	50Hz 25Hz
Response band	8~14μm

Wide-angle camera

Sensor size	1/2 inch
Effective pixel	48 megapixels
FOV	ME FOV:85.4° DFOV:84° ±2°
Wide-angle focal length	4.49mm
Wide-angle aperture	F2.8

Zoom camera

Sensor size	1/2 inch
Effective pixel	48 megapixels
Iris diaphragm	F3.7 ~F4.6
Effective focal length	15.2~50mm

Laser distance measuring instrument

Measuring range	5-1200 m
Certainty of measurement	0.1 m