K8T Dual Light Tracking Pan-Tilt Camera

acanthophthalmos

Product Introduction

The K8T dual-light tracking pan-tilt camera, equipped with an infrared thermal imager and a compact visible light camera, weighs just 133g and supports multiple control methods including serial TTL/TCP. Featuring day/night surveillance and AI recognition tracking, its lightweight design and flexible control interface make it a cost-effective solution for security and industrial applications.
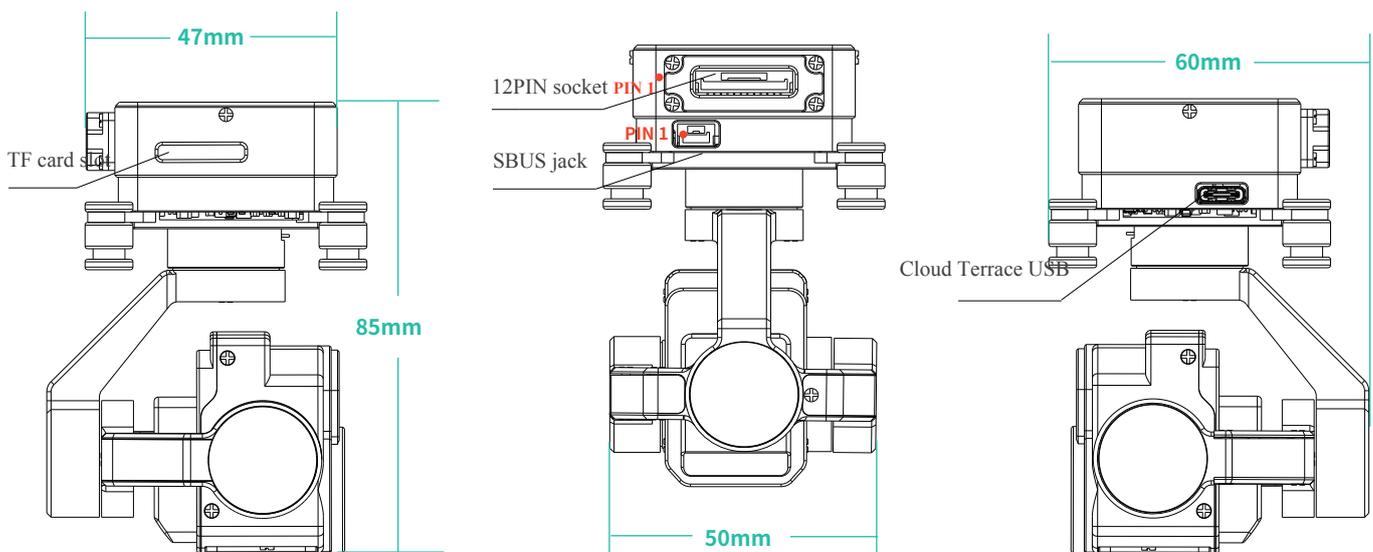
133g

Pan-tilt weight

TTL/TCP

Support serial port

The External Dimensions and Electrical Interfaces of the PTZ Camera

47mm

TF card slot

85mm

12PIN socket PIN 1

SBUS jack PIN 1

50mm

60mm

Cloud Terrace USB

Parameter list

Underlying parameter	Voltage	12V
	Weight	133g
	Control method	Serial TTL/SBUS/TCP
	Work environment	-20℃ ~ +50℃
	TF Card image storage format	JPEG(1920*1080)
	TF Card video storage format	MP4 (1080P 30fps)
	Coded format	H264、H265
Visible light parameter	Pixel	2592x1944
	Lens type	1/2.7inch
	Focal distance（EFL）	3.0mm
	Iris diaphragm（F.NO）	2.4
	Angle of field	95°
	Aberration	＜1.0%
Thermal imaging parameters	Detector type	Non-cooling vanadium oxide focal plane detector
	Resolution ratio	640x512
	Pixel size	12μm
	Spectral coverage	8μm~14μm
	Focal length of lens	13mm or 9.1mm
	Angle of field	32.9°×26.6° (13mm focal length) or 48.1°×37.4° (9.1mm focal length)
Tracking performance parameter	Default target type	Cars and people
	Simultaneous detection capacity	10 goals
	Recognition frame rate	30fps
Pan-Tilt Parameters	Work pattern	Three axis stabilization
	Software limit angle	Pitch: -90° to +30°; Course: -120° to +120°
	Mechanical structure angle	Pitch: -135° to +45° Roll: -45° to +45° Course: -135° to +135°
	Angle jitter	±0.005°
	Pan-Tilt Mode	Support one-click return and lock