K8 Single Light Tracking and Recognition Pan-Tilt Camera

Lightweight AI recognition and tracking

Product Introduction

The K8 compact visible-light tracking pan-tilt camera weighs just 115g and supports multiple control modes including serial TTL/TCP. Featuring AI recognition and tracking capabilities, its lightweight design and flexible control interface make it a cost-effective solution for applications in transportation, urban management, and security.
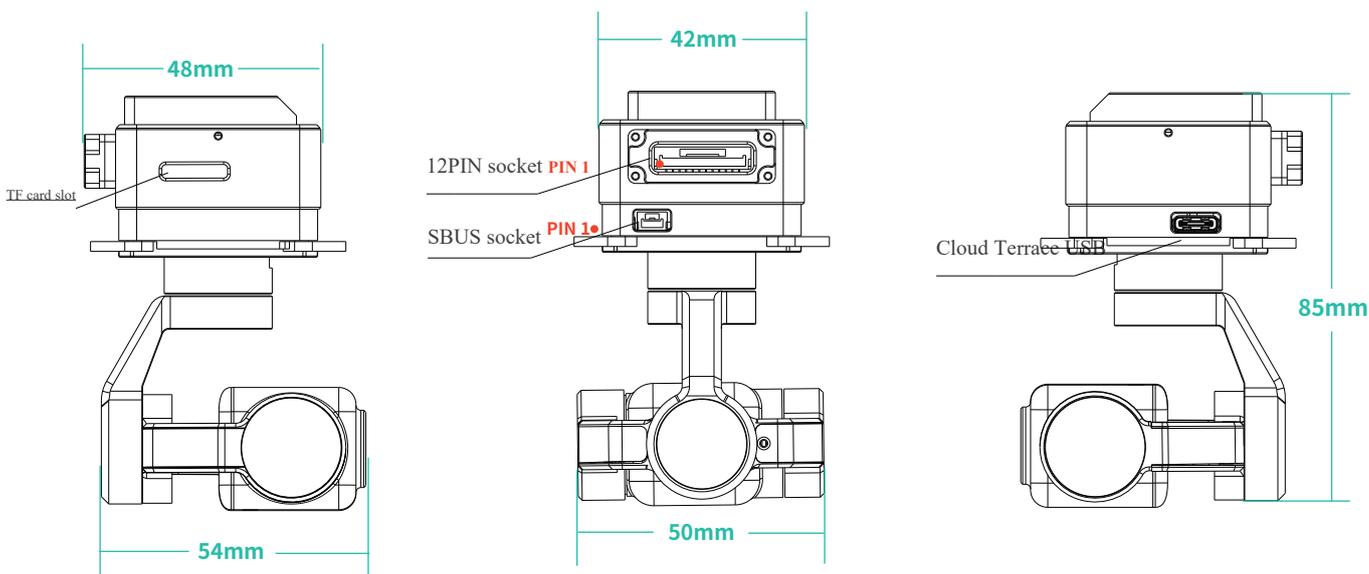
115g

Pan-tilt weight

AI

Identify and track

The External Dimensions and Electrical Interfaces of the Pan-Tilt Unit

48mm

TF card slot

54mm

42mm

12PIN socket **PIN 1**

SBUS socket **PIN 1●**

50mm

Cloud Terrace USB

85mm

Parameter list

Underlying parameter	Voltage	12V-18V
	Weight	115g
	Material quality	Alufer
	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%

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°; Roll: -120° to +120°
	Mechanical structure angle	Pitch: -135° to +45° Roll: -45° to +45°
		Yaw: -135° to +135°
	Angle jitter	±0.005°
	Pan-Tilt Mode	Support one-click return and lock