

# GTIR800Z

## Infrared Camera for Drones



### Features and Benefits

- Compact and light weight , with infrared and visible light dual channel
- Infrared resolution and frame rate up to 800×600@25Hz, temperature range -20~150°C
- Support one-button auto focus and dedicated micro- focusing
- Support infrared 9 pseudo-color modes and infrared contrast/brightness adjustment
- Optional distribution box. Support SBUS, PWM, serial port multiple control interfaces
- Support picture-in-picture and dual-light switching. Four display modes: infrared, visible, infrared picture-in-picture, visible light picture-in-picture

### Application

Power line inspection / Forest firefighting / Solar power inspection  
Environmental monitoring / Law enforcement / Rescue after disaster

# Specifications

<b>GTIR800Z</b>	
Total weight	< 470g (Incl. junction box)
size	160mm×150mm×151mm
Installation method	Camera PTZ, Junction box machine, detachable
External interface	PWM、S-BUS、Serial port、RS-422
<b>PTZ</b>	
Three-axis stabilization system	Azimuth, roll, pitch
Frame angle	Azimuth axis: -200°~200°
	Roller shaft: -45° ~ 45°
	Pitch axis: -135°~45°
Remote angle	Azimuth axis: -180°~180°
	Pitch axis: -90° to 30°
Maximum rotation speed	> 30°/s
Image stabilization performance	Image stabilization accuracy: ≤0.02°
Navigation Follow-up	Azimuth follows the body angle, pitch axis and roll axis stabilization image
<b>Camera</b>	
Resolution	Infrared: 800*600
	Visible light: 1280*720
Focal length	Infrared: 20mm F1.2
	Visible light: 3mm F2.2
Image mode	Infrared, visible, infrared picture-in-picture, visible picture-in-picture
Zoom mode	Infrared: One-button focus, micro-focusing +-
	Visible light: One-button focus
Image storage format	Infrared: JPG, Visible: JPG
Video storage format	Infrared::mp4、irgd, visible: mp4
Temperature Measurement	Temperature range: -20°C ~ 150°C
	Accuracy: ±2°C or ±2% (whichever is greater)
Memory card type	MicroSD, support 128G
Working temperature	-20°C~55°C

**Wuhan Guide Sensmart Tech Co.,Ltd.**  
*is the subsidiary corporation of Wuhan Guide Infrared Co.,Ltd.*  
 No.6 Huanglongshan South Rd,Wuhan,430205,P.R.China  
 Tel: +86-27-81298784  
 Email: enquiry@guide-infrared.com  
 Web:: www.guideir.com

**EndoMatrix (M) Sdn Bhd**  
 No. 51-5, Block G, Dataran Prima, Jalan PJU 1/37,  
 47301 Petaling Jaya, Selangor Darul Ehsan, Malaysia.  
 Phone: 03-7803 1145 | Fax: 03-9101 4814  
 sales@endomatrix.com.my | www.endomatrix.com.my