



SPECIFICATION

Release date: November 17, 2022 - V.1.0



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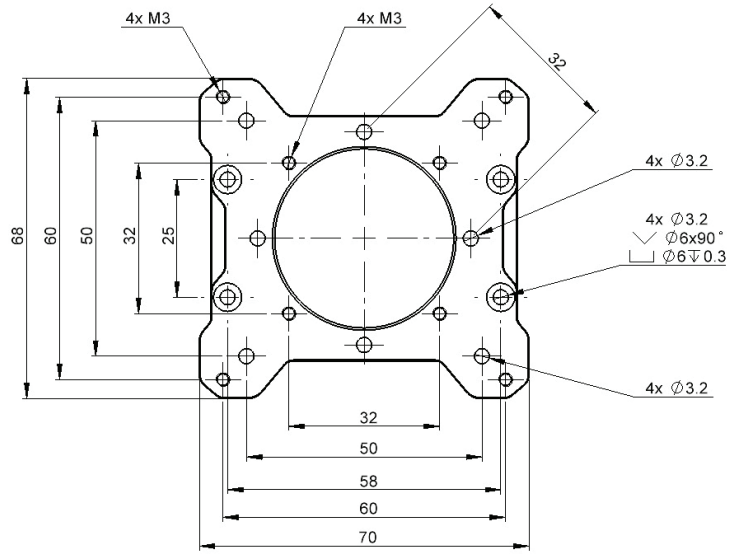
GENERAL

Name	ZIO
Payload Dimensions (DxWxH)	145mm × 90mm × 148mm
Weight	480g (1.06 lbs)
Input Voltage	14.5V - 52V
Power Consumption	12W-48W
Connections	USB 2.0, UART, Ethernet, Micro HDMI
Remote Software	QGroundControl
Streaming Video	HDMI output: 1920 x 1080 (60p) Ethernet output: H264 RTP at 1920 x1080 (60p) Combine mode: HDMI output 1920 x 1080 (60p) & Ethernet output H264 RTP 1280 x 720 (60p)
Storage Temperature	32° F ~ 122° F (0° C ~ 50° C)
Operating Temperature	32° F ~ 122° F (0° C ~ 50° C)
Compatible Drones	Drone supported by PX4 and Ardupilot - Recommended FC: Cube - For custom drones, please contact us at contact@gremsy.com



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DIMENSIONS





GIMBAL

Angular Vibration Range	±0.01°
Gimbal Mount	Bottom mount (Detachable)
Controllable Range	Tilt : ±120°
	Pan: ±320°
Mechanical Range	Tilt : +138° to -198°
	Pan: ±335°
	Roll: +75° to -265°
Max Controllable Speed	Tilt: 100°/s
	Pan: 100°/s
Working Current:	Static current: 1.0A (@12V)
	Dynamic current: 1.5A (@12V)
	Locked motor current: Max 4.0A (@12V)



CAMERA

Sensor	1/2.5" Exmor R CMOS
Effective Pixels	8.51 MP
	Optical: 20x
	Digital: 12x
Zoom	Super Resolution: 30x
Camera Lens	f/2.0 to f/3.8 (4.4 to 88.4mm Equivalent)
FOV	Wide: 72°
	Telephoto: 4.1°
Resolution	Photo: 3840 x 2160
	Video: 3840 x 2160 @ 30 fps 1920 x 1080 @ 60fps
Aspect Ratio	Photo: 16:9
Format	Photo: JPEG
	Video: MP4
Defog mode	On/Off (Low, Mid, High)
White Balance	Auto, Indoor, Outdoor
Shutter Speed	1/30 to 1/2000s
Exposure mode	Auto, Shutter speed, Iris, Bright, Manual
Zoom mode	Combine, Separate, Super Resolution
Storage	MicroSDXC I (a 64GB SD card included)

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