EH30-TIRM 30X EO/IR Dual Sensor Zoom Camera with Laser Rangefinder and 3-axis Gimbal



30X Optical Zoom, 2 Megapixels Vanadium Oxide Uncooled Infrared Camera Temperature Measuring (Option) 5-1800m Laser Ranging 3-Axis Gimbal, ±0.008°Control Accuracy PointtoZoom, One-click-to-center, Mouse or Touch Screen Operation Supported Modular Design, Expansibility, Open SDK Ethernet Video Output Object Tracking

Parameter

Parameter	I GUNI	
Voltage	12V-25V	
Power	8.4 W	
Total Weight	850 g	
Memory Card	Micro SD Card (Max 128G)	
Dimension	162*140*194mm	
Interface	Ethernet	I GUN
Video Transmission Method	RTSP Video Stream	
	COM WUN-	
Ambient Parameter	1.001	
Working Temperature	-20°~60°	
Storage Temperature	-40°~80°	
Gimbal Parameter		I.GUM
Control Accuracy	±0.008°	
Mounting Type	Quick-Mounting Version (Multirotor); Standard Version (VTOL)	
Rotation Range	Pitch: +70° to -90°; Yaw: 360°	
Mechanical Range	Pitch: +75° to -100° Yaw: 360°	
Object Tracking	Support	
		L.GUM
Camera Parameter	TONTEGNES	

Sensor	CMOS:1/2.8"; Pixels 2.16MP 30X optical zoom F 4 . 7 ~141mm Minimum shooting range: 1mm~1 5mm (near-focus~far-focus)	
-ens	30X optical zoom F 4 . 7 ~141mm Minimum shooting range: 1mm~1 5mm (near-focus~far-focus)	
	FOV (Horizontal): 6 0 °~2.3°	
mage Storage Format	JPEG	
√ideo Storage Format	MP4	
Norking Mode	Video Recording; Photo taking	
DEFOG	Electronic Fog Reduction	
Exposure	Auto	
Resolution	Main Stream: 25fps(1920*1080) 25fps(1280*720) Sub Stream: 25fps(1920*1080, 1280x720, 704x576, 352x288)	
2D Noise Reduction	Support (Auto on)	
3D Noise Reduction	Support (Auto on)	
Electronic Shutter	1/3~1/30000s	
Exposure	Auto Mode	
OSD	Support	
Point to Zoom	Support	
Zoom Range	1~30X Optical Zoom	
One-click - to - 1X	Support	
Thermal Imaging	FONTEGHT	
Detector Type	Vox Uncooled Infrared Focal Plane Detector	
Sensitivity	≤50mk@25℃,F#1.0	
Lens	19mm fixed-focus	
Pixel Size	12µm	
Response Wave Band	8~14 µm	
Manager Assessment	$\pm 3^\circ\!\!\!{}^\circ$ or $\pm 3\%$ of the reading (chose thelarger value)	
weasuring Accuracy	@Ambient Temperature -20°C ~ 60°C	
	(Point, Line, Area) Real-time Low/High temperature display.	

	lines and areas can be set in the lens coverage area according
	to your need.
Thermal Image Resolution	Main stream: 25fps (704x576)
5	Sub stream: 25fps(704x576)
Laser Ranging	EONTECHT
Measuring Range	5-1800 m
Resolution	±0.1m
Working Current	80mA-150mA
Working Temperature	-20 ℃ to 55 ℃
Beam	905nm Pulsed Laser
Beam Dispersion Angle	2.5 Milliarcs
Laser Pulse Frequency	1HZ
Power	Less than 1 mW Human Eye Safe
Distance Measuring Method	Pulse

190.5

Dimension:

151.8

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Product Operation Instruction

1. Interface Description

1.1 Interfaces on the IDU Mini

Power: 12-25V 4P Ethernet Port: for connection to the computer

SBUS Interface

Wiring Definitions



2. Installation and Connection Instructions

- 2.1 Punching holes for installation according to the IDU mini quick-mount structure, the hole size and the quick-mount plate dimension.
- 2.2 Plug the Ethernet port converter into the 4P Ethernet port and connect the computer with a network cable.





Ethernet Port Converter



3. Software Connection and Debugging

Connect the computer with a network cable, then set the computer IP address: 192.168.42.10 subnet mask: 255.255.255.0 default gateway (ignore) (the camera's default IP is 192.168.42.108; gateway default IP is 192.168.42.200), power on the gimbal camera, connect the gimbal camera to the computer with a network cable, approximately 15 seconds after normal operation of the gimbal, the computer recognizes the camera network. TCPIPV4 is set as follows, confirm and save:

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1 以太网	3 属性	×	1.60
网络 Inte	ernet 协议版本 4 (TCP/IPv4) 属性	~	
连 笄	3规		
T	如果网络支持此功能,则可以获取自动指	派的 IP 设置。否则,你需要从网	
4	络系统管理员处获得适当的 IP 设置。		0.01
			ALCOM
H	○ 自动获得 IP 地址(O)		
	●使用下面的 IP 地址(S):		
E	IP 地址(I):	192.168.42.10	
	子网掩码(U):	255 . 255 . 255 . 0	
1	默认网关(D):	192.168.42.1	- 001
E		A LAND THE REAL PROPERTY AND A	I.GOM
40	自动获得 DNS 服务器地址(B)	Larden M. H. Lander	
	● 使用下面的 DNS 服务器地址(E):		
1	自远 DINS 服务器(P):		
	备用 DNS 服务器(A):	· · ·	
	□ 退出时验证:受答(1)		- ooN
		高级(V)	GUM
		确定取消	

THE ON SECTION

4. The Use of GCS Software

Open the GCS software and click on "Connect", successful image acquisition as shown below:



5. GCS Function Description

