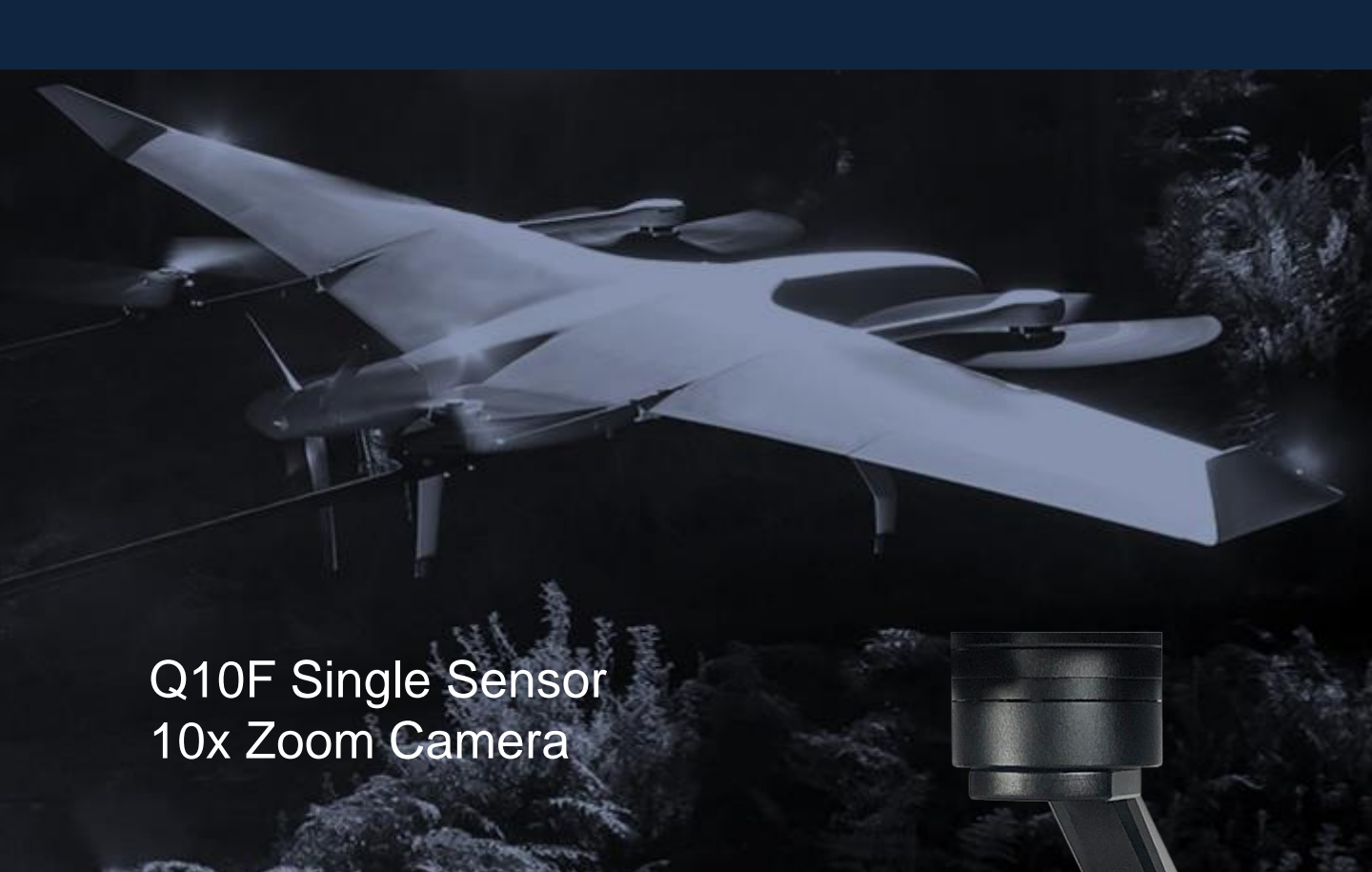


UAV/DRONE CAMERA

INTERNATIONAL
ARMOUR
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www.armour.gr



Q10F Single Sensor 10x Zoom Camera

Q10F gimbal and camera features an 10x optical zoom lens.

The type 1/3 inch CMOS sensor supports approximately 4 million effective pixels, HD 1080p video, fast auto-focus speed, small size, designed for UAV aerial photography.



We use FOC solution can greatly compensate the vibration of UAV.

The image is very stable even at ten optical zoom times.

Stabilizing the Q10F is a highly optimized 3-axis camera gimbal with pinpoint-precise motor rotation with a control accuracy of $\pm 0.01^\circ$ powered by a dedicated processor.

300° rotation remains possible through gimbal rotation.

Stable, smooth footage image can be captured even when flying at high speed flight.

Q10F have been widely used in various fields like public security, electric power, fire, zoom aerial photography and other industries in the application of drones.

A30TR 3-Axis 30x Zoom GPS Coordinate Resolving LRF AI Camera



A30TR is a powerful 3-axis gimbal camera which integrates a 30x optical zoom SONY camera, a 640×512 thermal camera and a laser rangefinder.

The 3-axis gimbal based on FOC technology features high stability, accuracy and sensitivity. The image is very stable even at 30 times optical zoom.

Detecting by heat source, the 19mm thermal camera can reveal the damage of buildings, fire spark in forest, the location of people or animal and more.

The high-precision laser rangefinder can accurately resolve the GPS location and distance of the object within 3000 meters, this information will display on screen automatically.





Q10TIRM Dual Sensor 10x Optical Zoom

Q10TIRM Dual Sensor 10x Optical Zoom EO/IR Object Tracking Laser Rangefinder Gimbal Camera

- 10x Optical Zoom, F=5.1~51mm
- 640*480 Resolution Thermal Image
- EO+IR Object Tracking, GEO Tagging
- 3KM IR Laser Rangefinder
- Smaller, Lighter and Stronger.



Stabilizing the Q10TIRM is a highly optimized 3-axis camera gimbal with pinpoint-precise motor rotation with a control accuracy of $\pm 0.01^\circ$ powered by a dedicated processor.

Q10TIRM uses a unique mechanically limited design and concealed wires to ensure more stable data transmission and greater durability.

Vibration is eliminated using four damping balls and a lightweight damping board, creating seamlessly smooth video.

360° rotation remains possible through gimbal rotation. Stable, smooth footage image can be captured even when flying at high speed flight.

Q30TIRM Pro 3-Axis GPS Location Resolving & IR+EO Dual Sensors Object Tracking Gimbal



Q30TIRM Pro 3-Axis GPS Location Resolving & IR+EO Dual Sensors Object Tracking Gimbal

- 30x optical Sony camera
- IR+EO Dual Sensors
- Object Tracking
- GPS location resolving.



Q30TIRM pro is a powerful 3-axis gimbal camera which integrates a 30x optical zoom SONY camera, a 640×480 thermal camera and a laser rangefinder.

The 3-axis gimbal based on FOC technology features high stability, accuracy and sensitivity.

The image is very even at 30 times optical zoom.

Detecting by heat source, the 25mm thermal camera can reveal the damage of buildings, fire spark in forest, the location of people or animal and more.

The high-precision laser rangefinder can accurately resolve the GPS location and distance of the object within 3000 meters, this information will display on screen automatically.

Q30TIR-50

Dual Sensor 30x Time Optical Zoom EO Camera



Q30TIR-50 Dual Sensor 30x Time Optical Zoom EO Camera

Q30TIR-50 is a powerful 3-axis gimbal camera which integrates a 30x optical zoom SONY camera and a 640×480 thermal camera.

The 3-axis gimbal based on FOC technology features high stability, accuracy and sensitivity.

The image is very stable even at 30 times optical zoom.

Detecting by heat source, the 50mm thermal can reveal the damage of buildings, fire spark in forest, the location of people or animal and more. It's widely used in day and night surveillance, search, inspection and firefighting.



Q30TIR-50

Dual Sensor 30x Time Optical Zoom EO Camera



Q30TIR-50 Dual Sensor 30x Time Optical Zoom EO Camera

Powered by SONY 1/2.8 Exmor R CMOS module, with 0.01lux@F1.6 starlight level min illumination, Q30T pro II can still clearly display image features in utter poor light environment. 2.13 mega effective pixel and 1080p HD image quality, combined with 30x advanced optical zoom technology, the observation range is up to 500 meters, which can meet the application requirements of various domains

Q30T pro II features a 30x optical zoom lens.

It's powered by SONY 1/2.8" "Exmor R" CMOS module, FHD 1080p video, fast auto-focus speed, designed for UAV aerial photography.

A lightweight design combined with 3-axis gimbal makes the gimbal motors ultra-reactive. FOC solution can greatly compensate the vibration of UAV.

Yaw axis could realize 360° continuous rotation with default SDI output.

At the same time, Q30T pro can achieve target tracking.

The image is stable even at 30 times optical zoom. All the parameters have been perfectly set, you just need to install the gimbal camera to UAV, then ready to fly.



U30TIR 30x Zoom EO & IR Dual Sensor Object Tracking Camera Gimbal



U30T 30x Optical Zoom Starlight Camera with Aerodynamic Shape

Stabilizing the U30T is a highly optimized 2-axis camera gimbal with pinpoint-precise motor rotation with a control accuracy of $\pm 0.02^\circ$ powered by a dedicated processor.

U30T uses a unique mechanically limited design and concealed wires to ensure more stable data transmission and greater durability



Vibration is eliminated using four damping balls and a lightweight damping board, creating seamlessly smooth video.

300° rotation remains possible through gimbal rotation.

Stable, smooth footage image can be captured even when flying at high speed flight.

The tracking speed is up to 32 pixel/frame, object size range is from 16*16 pixel to 160*160 pixel, with the minimal signal-to-noise ratio(SNR) 4dB, the mean square root values of pulse noise in the object position < 0.5 pixel, which greatly improve the accuracy and tracking effect.

Build-in normalization, cross-correlation and tracking algorithm, combining with object missing recapture algorithm, achieve stable track of the target. Support custom characters of user OSD, adaptive gate, cross cursor, trace information display.

U30TIR

30x Zoom EO & IR Dual Sensor Object Tracking Camera Gimbal



U30TIR 30x Zoom EO & IR Dual Sensor Object Tracking Camera Gimbal

Professional 2-axis High-precision FOC Program

Stabilizing the U30TIR is a highly optimized 2-axis gimbal payload with pinpoint-precise motor rotation with a control accuracy of $\pm 0.01^\circ$ powered by a dedicated processor. Rather than rely on electrical slip rings, as is common with many gimbals, the U30TIR uses a unique mechanically limited design and concealed wires to ensure more stable data transmission and greater durability.

Vibration is eliminated using four damping balls and a lightweight damping board, creating seamlessly smooth video.

360° rotation remains possible through gimbal rotation. Stable, smooth footage image can be captured even when flying at high speed flight.

Visible Light and Thermal Imager Dual Sensors Object Tracking

Build-in normalization, cross-correlation and tracking algorithm, combining with object missing recapture algorithm, achieve stable track of the target.

Support custom characters of user OSD, adaptive gate, cross cursor, trace information display.

The tracking speed is up to 32 pixel/frame, object size range is from 16*16 pixel to 160*160 pixel, with the minimal signal-to-noise ratio (SNR) 4db, the mean square root values of pulse noise in the object position < 0.5 pixel, which greatly improve the accuracy and tracking effect.



TH30G6L15

High Performance Triple Light Gimbal

30x Optical Zoom + 640x512 Thermal + 1500LRF

- 30x Optical Zoom + 640x512 Thermal
- Thermal pseudo switch
- Picture in picture mode
- 1080P IP output, 2way communicate
- 1500m laser distance measuring
- Ground Software display & control
- Single TF card, two video recording
- 3 Axis lightweight gimbal



TH30G6L15 is a 3-axis stabilized gimbal integrating 10x optical zoom camera, 640x512 thermal imaging camera and 1500m laser range finding, it's a high-precision professional triple light integrated system.

This gimbal adopts compact design and has the characteristics of high stability, small volume, light weight and low power consumption.

The visible light camera adopts HD sensor with effective pixels of 2 million;

The thermal imaging adopts vanadium oxide 640x512 resolution detector with baffle inside;

The laser range finder provides 1500 meter high-precision distance measuring function.

The ground control software developed which can support picture in picture display of two-way video, network direct control of PTZ and camera, local TF storage, network file reading and writing operation, two-way synchronous video recording, a variety of picture in picture modes ,and pseudo color switching etc



ZX-P-IV-D-GL80 Dual-light Gimbal

Integrating 10X RGB camera and un-cooled thermal camera inside, the dual-light gimbal outputs HD image with outstanding auto-zooming and target tracking capabilities.

With two-axis two-frame structure and electronic stabilization, the gimbal achieves high stabilization performance and 360°rolling that are suitable for wide range of applications including monitoring, anti-terrorism pipeline examination etc. carried under fixed-wing, single-rotor and multi-rotor UAVs.

Features

- Dual-mode: 10X RGB camera + thermal camera
- Low-illumination imaging
- Small in size, light in weight
- Auto target tracking
- Temperature measurement (optional)
- Video recording
- Qualified for fixed-wing, single-rotor, multi-rotor and other aircraft

Application

- Powerline inspection
- Forest fire prevention
- Investigation monitoring
- Border defense
- Pipeline examination
- Intelligent transportation
- Disaster rescue



- 2-axis gimbal
- 10x optical zoom
- Visible camera 1920x1080, 30 fps
- Thermal camera 640x480
- Auto Target lock
- Weight 820g



GT30A Triple-mode Lightweight Gimbal

ZX-PA-IV2-F35-GL9

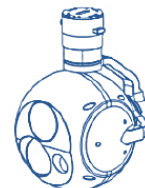
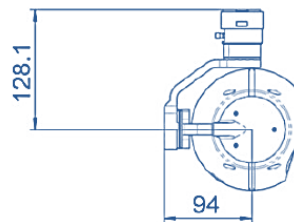
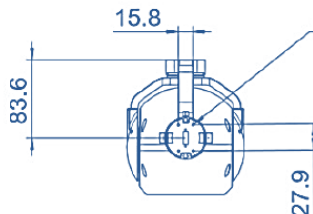
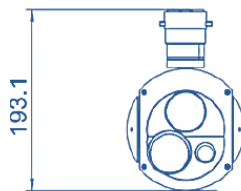
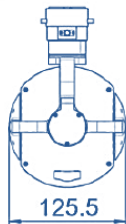
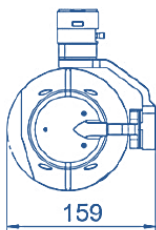
Features

- Daylight and thermal imaging with a single payload
- Dual 2 million high resolution color cameras
- Uncooled LWIR camera
- Fusion of infrared and visible images
- Quick-disassembly structure design
- Suitable for miniaturized unmanned systems

Specifications



System specification		System interface		Electro Optical (30X)	
System type	Gyro stability	Control interface	RS232	Resolution	1920×1080 @60fps
Weight	≤930g	Video output	network/SDI	FOV	63°×35°~2.3°×1.3°
System characteristics		Power supply		Low Light (8mm)	
Platform type	Triple-axial	Supply voltage	11~16V	Resolution	1920×1080@60fps
Yaw	360° rotation	Power consumption	Av≤15W	FOV	38.4°×22.2°
Pitch	-90°~+90°	Environmental conditions		Thermal IR	
Roll	-50°~+50°	Operating temperature	-20℃~+60℃	Resolution	640×512@60fps
Max angular velocity	≥100°/s	Storage temperature	-40℃~+60℃	FOV	12°×9°
Max angular acceleration	≥90°/s ²			Target tracking	
Angular position accuracy	≤0.3°			Tracking speed	±48 pixel/frame



4 x M3 - 6H
Screw Hole

