

# THE JAEGAR COUNTER UAV/UAS PLATFORM



## JAEGAR RANGER C-UAV

RANGE	VIDEO	CAMERA	POPULAR APPLICATIONS	
	Full HD 1080p	640 X 480 Zoom Lens Uncooled Thermal		
Medium to Long	Lens: 15.2mm to 500mm (33x) Zoom Lens	Lens: 26mm to 105mm (4x)	Maritime	
		Lens: 25mm to 150mm (6x)	Perimeter Security	
		Lens: 25mm to 225mm (9x)	Homeland Security	

## JAEGAR RANGER LR C-UAV

RANGE	VIDEO	CAMERA	POPULAR APPLICATIONS	
	Full HD 1080p	640 X 480 Zoom Lens Uncooled Thermal		
Medium to Long	Lens: 15.2mm to 500mm (33x) Zoom Lens	Lens: 25mm to 150mm (6x)	Maritime	
		Lens: 25mm to 225mm (9x)	Homeland Security	
		Lens: 40mm to 300mm (7.5x)	Border Security	

## JAEGAR SEARCHER C-UAV

RANGE	VIDEO	CAMERA	POPULAR APPLICATIONS	
	Full HD 1080p	640 X 512 Zoom Lens Cooled Thermal		
Medium to Long	Lens: 16.7mm to 1000mm (60x) Zoom Lens (33.4mm to 2000mm with 2x extender)	Lens: 15mm to 300mm (20x)	CNIS	
		Lens: 35mm to 690mm (19.7x)	Maritime	
		Lens: 45mm to 900mm (20x)	Homeland Security	

## JAEGAR ULTRA LONG RANGE C-UAV

RANGE	VIDEO	CAMERA	POPULAR APPLICATIONS	
	Full HD 1080p	1280 X 720, Zoom Lens Cooled Thermal HD		
Ultra Long Range	Lens: 16.7mm to 1000mm (60x) Zoom Lens (33.4mm to 2000mm with 2x extender)	Lens: 80mm to 960mm (12x)	Border Security	
			Homeland Security	
			Maritime	

Please enquire further for our full range of camera, lens and ancillary options available in the C-UAV range.

WWW.SILENTSENTINEL.COM  
+44 (0) 1920 871 734

01.07.19 specifications may be subject to change without notice  
\*5.4km version only  
\*\*750m version only

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VISION & MOTION CONTROL

# THE JAEGAR COUNTER UAV/UAS PLATFORM



## PLATFORM DESCRIPTION

A ready-to-go Counter UAV platform consisting of a Pan & Tilt electro-optical system, comprehensive video tracking capability and a world leading UAV effecting systems.

## HOW IT WORKS

**Detection:** The Jaegar camera is ready-made for integration with third party Radar or RF-based detection systems. The through-shaft and top mount allow for third party capability to be mounted and remain static leaving the EO and Effector capability free to rotate 360°.

**Tracking:** The platform offers a fused tracking capability utilising information from the Radar track which is paired with a hardware-based video tracking capability to ensure smooth and reliable tracking at all ranges and speeds.

**Identification:** The Jaegar camera is highly modular – the recommended standard system comprises of a 12-500mm, 33x, HD daylight camera combined with a 25-225mm, 11x, 640x480, uncooled thermal camera.

**Denial:** The jammer/effector allows the user to selectively deny control, video, or GPS (or combination) as well as triggering behaviour such as 'freezing' the drone in place, returning the drone to the controller or forcing the drone to land safely. The soft kill laser compromises the images sent back to the controller.

## KEY FEATURES

- **Silent Sentinel Jaegar Camera**
  - Single mast solution
  - Virtually zero backlash
  - Absolute positioning feedback for radar control with 360° continuous rotation
  - Allows for integrated radar, effector, and camera solution
  - Highly modular – options to upgrade cameras if required
- **Tracking**
  - Multiple object detection and tracking
  - Centroid and edge measurement
  - Feature based correlation algorithm
  - Moving object detection
  - Adaptive background removal with robust clutter rejection
  - Automatic coast
- **Effectors**
  - Employ 'white noise' against targets
  - 'Reactive' system with intelligent self learning algorithm\*
  - Custom-made, multi-band helix and flat panel antenna array\* and Tri Band array\*\*
  - Broad-ranging operating capabilities with high-powered signal transmission, enabling superior range and target/threat mitigation