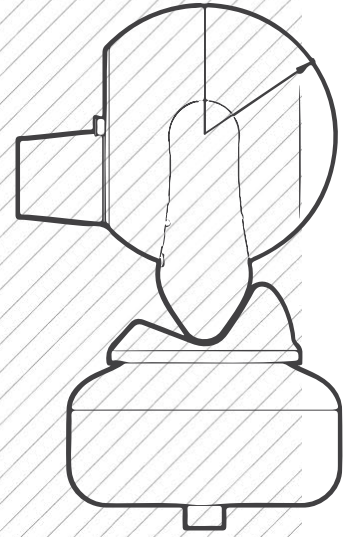


# THE AERON RANGE




## AERON SCOUT

RANGE	VIDEO	CAMERA	POPULAR APPLICATIONS	
Short to Medium	Full HD 1080p  Lens: 4.3mm to 129mm (30x) Zoom Lens	640 X 480 Fixed Lens Uncooled Thermal  Lens: 65mm Lens: 100mm	CNIS  Maritime	

## AERON RANGER

RANGE	VIDEO	CAMERA	POPULAR APPLICATIONS	
Short to Medium	Full HD 1080p  Lens: 4.3mm to 129mm (30x) Zoom Lens	640 X 480 Zoom Lens Uncooled Thermal  Lens: 15mm to 100mm (6.6x)	Homeland Security	
		Lens: 26mm to 105mm (4x)	Maritime	
		Lens: 50mm to 150mm (3x)	Aviation	

## AERON RANGER LR

RANGE	VIDEO	CAMERA	POPULAR APPLICATIONS	
Short to Medium	Full HD 1080p  Lens: 4.3mm to 129mm (30x) Zoom Lens	640 X 480 Zoom Lens Uncooled Thermal  Lens: 15mm to 75mm (5x)	Oil and Gas	

## AERON SEARCHER

RANGE	VIDEO	CAMERA	POPULAR APPLICATIONS	
Medium to Long	Full HD 1080p  Lens: 4.3mm to 129mm (30x) Zoom Lens	640 X 512 Zoom Lens Cooled Thermal  Lens: 19mm to 275mm (14.4x) Lens: 15mm to 300mm (20x)	Maritime  Border Security	

Please enquire further for our full range of camera, lens and ancillary options available on the Aeron platform.

## AERON THERMAL CAMERA OPTIONS

Camera	Aeron Scout	Aeron Ranger	Aeron Ranger LR	Aeron Searcher
Detector Type	Uncooled VOx Microbolometer			Cooled InSb FPA
Resolution	640 x 480			640 x 512
Pixel Size	17µm		12µm	15µm
Spectral Band	8 to 14µm (LWIR)		7.5 to 13µm (LWIR)	3.4 to 5.1µm (MWIR)
Sensitivity	<50 mK (NEΔT) f/1.0 @ room temperature		<30 mK (NEΔT) f/1.0 @ room temperature	<25 mK (NEΔT) @ room temperature
Frame Rate	25 Fps (9 fps, 30 fps options)			25Hz (30Hz option)
Frequency	25Hz (9Hz, 30Hz options)			
Digital Pan and Zoom	4 x Digital zoom, Region of Interest			4x
Digital Video	14/8-bit LVCMOS/Camera Link®		16-bit Camera Link® up to 60Hz	-
Image Stabilisation	Yes (cost option)		Yes	
Image Enhancement	Image Contrast Enhancement (ICE)™		CLAHE / LAP Alpha blending	Linear AGC, CLAHE, LAP
Image Control	Polarity: White Hot / Black Hot Orientation: Invert / Revert			White Hot / Black Hot / Noise Reduction / Sharpen
Video Output	IP and Composite (PAL / NTSC)			
Window	Germanium thermal optical quality glass, with a Low Reflection Hard Carbon (HCLRL) coating			Vanadium thermal optical quality glass, with a Low Reflection Hard Carbon (HCLRL) coating

## AERON VIDEO CAMERA OPTIONS

Camera	Scout	Ranger	Ranger LR	Searcher
Sensor	1/2.8" CMOS Exmor (2.13MP)			
Sensor Mode	Full HD 1080p (1920 x 1080) <b>HD</b>			
Wide Dynamic Range	Yes (120dB)			
Video Performance (High Sensitivity Mode)	Colour 0.01 lux Mono 0.0008 lux			
White Balance	Auto, push and manual			
Automatic Level Control	Auto / manual			
Shutter	1/1s to 1/10,000			
Day/Night Mode	Auto, colour, monochrome			
Defog	Yes			
Video Output	IP (HD-SDI option)			
Window	High Definition optical quality glass, with a low reflection and water resistant coating			

## AERON PAN AND TILT PLATFORM

Camera	Scout	Ranger	Ranger LR	Searcher
Repeatability	0.05°			
Speed Control	0.01°			
Pan Rotation	360° continuous			
Pan Speed	160° per second (excluding ramping)			
Tilt Range	+90° to -30° upright [-68° inclined], +30° to -90° inverted			
Tilt Speed	160° per second (excluding ramping)			
Fixing Material	Stainless steel with external fall protection			
Housing Finish	White powder marine grade paint finish (other colours are available upon request)			
IP Rating	IP67			
Temperature Range	-20°C [-4°F] up to 65°C [149°F] [-40°C with optional heater]			
Power	14 to 36VDC or 14 to 26VAC, 45W peak (100W with optional heater) [20W typical in low power mode when idle without heater]			

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