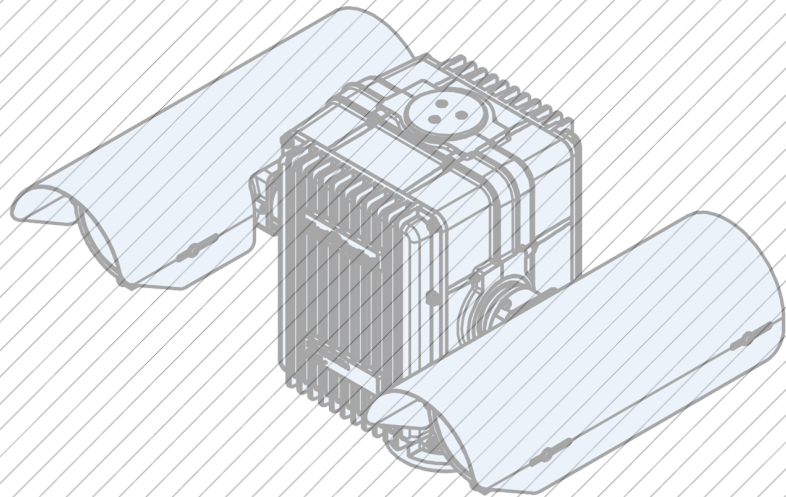




# THE JAEGAR RANGE




## JAEGAR SCOUT

RANGE	VIDEO	CAMERA	POPULAR APPLICATIONS	
	Full HD 1080p	640 X 480 Fixed Lens Uncooled Thermal		
Short to Medium	Lens: 4.3mm to 129mm (30x) Zoom Lens	Lens: 50mm, 65mm, 100mm	Maritime Transport	


## JAEGAR RANGER

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

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

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

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	

## JAEGAR THERMAL CAMERA OPTIONS

Camera	Scout	Ranger	Ranger LR	Searcher	Ultra LRC
Detector Type	Uncooled Vox Microbolometer			Cooled InSb FPA	CMT (HgCdTe)
Resolution	640 x 480			640 x 512	1280 x 720 <b>(HD)</b>
Pixel Size	17µm		12µm	15µm	12µm
Spectral Band	8 to 14µm (LWIR)		7.5 to 13µm (LWIR)	3.5 to 5.1µm (MWIR)	3.7 to 4.95µm (MWIR)
Sensitivity	<50mK (NEdT) f/1.0 @ room temperature		<30mK (NEdT) f/1.0 @ room temperature	<25mK (NEdT) @ room temperature	27.5mK (NETD) typical
Frame Rate	25 Fps (9 fps, 30 fps options)			25Hz (30Hz option)	60Hz
Frequency	25Hz (9Hz and 30Hz options)				
Digital Pan and Zoom	4x Digital zoom, Region of Interest			4x	8x
Digital Video	14/8-bit LVCMOS/Camera Link <sup>®</sup>		16 Bit Camera Link <sup>®</sup> up to 60 Hz	-	
Image Stabilisation	Yes (cost option)		Yes		
Image Enhancement	Image Contrast Enhancement (ICE) <sup>™</sup>		CLAHE / LAP Alpha Blending	Linear AGC, CLAHE, LAP	Linear, lace, edge enhancement
Image Control	Polarity: White Hot / Black Hot		Polarity: White Hot / Black Hot	Polarity: Black Hot / White Hot	Polarity: White Hot / Black Hot
Boresight	Yes			No	
Rapid Release Mechanism	Yes			No	
Video Output	IP and Composite (PAL / NTSC)				
IP Rating	IP67				
Temperature Range	-30°C (-22°F) up to 65°C (149°F) [-40°C with optional heater]				-32°C (-25°F) up to 55°C (131°F)
Power	28-32VDC, 0.6A, 16W (excludes heater at 65W)	28-32VDC, 1.2A, 33W Peak (excludes heater at 65W)		28-32VDC, 1.7A, 49W Peak (excludes heater at 65W)	28VDC, 0.9A, 25W Peak
Window	Germanium thermal optical quality glass, with a Low Reflection Hard Carbon (HCLR) coating			Vanadium thermal optical quality glass, with a Low Reflection Hard Carbon (HCLR) coating	Silicon Window Enhanced Diamond Like Carbon (EDLC) coating
Housing Material	Iridited aluminium				Fire retardant chopped strand glass fibre in a polyester resin with a polyester gelcoat
Housing Finish	White powder marine grade paint finish (other colours are available upon request)				Gloss white, with polyurethane finish
Housing Model	HT06		HT07		HT07 Custom

## JAEGAR VIDEO CAMERA OPTIONS

Camera	Scout	Ranger	Ranger LR	Searcher	Ultra LRC
Sensor	1/2.8" CMOS Exmor (2.13MP)	1/1.8" CMOS (Total sensor pixels 6.1MP)			
Sensor Mode	Full HD 1080p (1920 x 1080) <b>(HD)</b>				
Wide Dynamic Range	Yes (120 dB)	Yes (103 dB)			
Video Performance (High Sensitivity Mode)	Colour 0.01 lux Mono 0.0008 lux	Colour 0.00825 lux Mono 0.00275 lux			
White Balance	Auto, push and manual				
Automatic Level Control	Auto / manual				
Shutter	1/1s to 1/10,000	1/25 [30] to 1/15,000			
Day/Night Mode	Auto, colour, monochrome				
Defog	Yes				
Video Output	IP (HD-SDI option) (PAL/NTSC)	IP and Composite (PAL / NTSC)			
Housing Model	HT06	HT07		HT07XL	

## JAEGAR PAN AND TILT PLATFORM

Repeatability	0.0002°
Speed Control	Zoom dependant speed control
Pan Rotation	360° continuous
Pan Speed	0.002° to 80.0° per second
Tilt Range	+90° to -90°
Tilt Speed	0.002° to 80.0° per second
Housing Material	Cast hard anodised aluminium
Housing Finish	Powder marine grade paint finish
Colour	White (other colours available upon request)
IP Rating	IP67
Temperature Range	-30°C (-22°F) up to 65°C (149°F) [-40°C with optional heater]
Power	28-32VDC, 1.8A, 50W Nominal / 3.5A, 99W Peak (excluding camera payload)