



## Product Data Sheet

# PREDATOR HD COOLED THERMAL



Predator Cooled Thermal Camera  
with Optical Zoom lens

**High Speed Ruggedised Pan Tilt Zoom HD 1080p Camera Featuring 640 Pixel resolution & Continuous Optical Zoom**

## UK Manufacture

Designed and manufactured in the UK

## Warranty

3 year's FULL warranty

## Cooled Thermal Camera

Cooled Mercury Cadmium Telluride detector

Continuous optical zoom lens option eliminates the need for multiple lenses

640 x 512 pixel resolution

Powerful image processing algorithms embedded in hardware and software

## IP68 Certification

IP68 certified for the harshest of environments

## Multi-Protocol Integration

The PREDATOR COOLED THERMAL range comes with multi-protocols as standard allowing complete integration with many leading DVRs, Matrices and IP systems

## Colour/Mono High Definition Cameras

The PREDATOR COOLED THERMAL range includes 20x or 30x Zoom modules with autofocus featuring Sony ExView, Wide Dynamic Range (WDR) camera technology which gives excellent low light performance. 360 Vision software enables the colour/mono switch over levels to specific lighting conditions

## Built in EDGE Recording Option – 128 or 256Gb Storage On Board

Continuous/Time Lapse/FTP Upload/Network Loss/Alarm scheduled recording option to On Board Storage



**Man**  
Detect: 9.2km  
Recognize: 2.9km  
Identify: 1.2km

**Vehicle**  
Detect: 15.5km  
Recognize: 6km  
Identify: 3.3km



# PREDATOR HD COOLED THERMAL

PRODUCT SPECIFICATION	HD	HD NIGHT VISION	HD NIGHT VISION ULTRA
Colour/Mono	YES	YES	YES
Imager	1/2.8-type Exmor CMOS	1/3-type Exmor CMOS	1/2.8-type Exmor CMOS
Zoom – Optical + Digital	30x, 12x	30x, 12x	20x, 12x
Zoom - total	360x	360x	240x
Pixels	Approx 2.38 Megapixels	Approx 1.37 Megapixels	Approx 2.14 Megapixels
Horizontal view angle	2.3°[T] - 63.7°[W]	2.1°[T] - 57.8°[W]	3.3°[T] - 59.5°[W]
Lens size	4.3 - 129mm	4.3 - 129mm	4.7 - 94mm
Min sensitivity – colour	0.35 Lux	0.25 Lux	0.1 Lux
Min sensitivity – mono int	0.013 Lux	0.008 Lux	0.008 Lux
Signal noise ratio	>50dB	>50dB	>50dB
Picture freeze	YES	YES	YES
Picture Flip	YES	YES	YES
PRODUCT FEATURES	All units have the following functions		
Focus/Iris	Auto/Manual		
Presets	360		
Tours	4 (max 90 presets per tour)		
Learned Patrols	4 mimic tours – up to 30 minutes duration each		
Privacy zones	Up to 24		
Preset titling	YES		
Variable pan speed	0.1 - 120°/sec, 360° continuous rotation, absolute positioning		
Variable tilt speed	0.1 - 120°/sec, absolute positioning		
Tilt coverage	180°		
Auto homing	Goes to preset, tour or mimic tour after prescribed time		
Col/Mono changeover	4 levels ~ 3 fixed, 1 custom/user defined		
Operating temperature	-40°C ~ +60°C with optional Heater		
Power	24Vac 160VA		
Mounting options	Wall Corner Pole Soffit		
Operational	Opto isolation		
Certification	Safety Mark : CE approval; Ingress : IP68, IK10 Certified		
THERMAL SPECIFICATION			
Thermal Imager	Cooled Mercury Cadmium Telluride (MCT)		
FPA/Digital Video Display	640 x 512		
Spectral Band	3-5µm		
Sensitivity (NETD)	<25 mK typical		
Digital Zoom	Centred & Continuous		
Pixel Pitch	17µm		
Focus	Automatic or Manual		

PredAtor HD Cooled  
Thermal 290415v3

## PRODUCT RANGE INCLUDES



AFFINITI



ECLIPSE



PREDATOR HD



VISION DOME



ANY COLOUR ANY QUANTITY

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**DESIGNED AND  
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