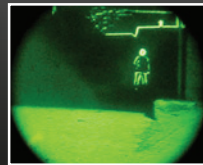




Small Clip-On Thermal Imager for Image Intensifiers/Night Vision

Fused Night Vision



Universal Fused Night Vision Clip On Upgrade for I² Night Vision Intensifier Devices

Thermal Night Vision

 **Thermoteknix**
Systems Ltd

ClipIR® - the “Full-View” Fusion Upgrade



ClipIR Small Clip On Thermal Imager - Fused Night Vision

Fused night vision is the new standard for low light operations. Significant tactical advantages are achieved by combining the unparalleled detection capabilities of thermal imaging with the superior identification capabilities of image intensification. To extend the performance and functionality of existing night vision devices while minimising total cost of ownership is the challenge met by ClipIR. Modern combat requires operation in complete darkness beyond the capabilities of I² devices - complete cloud coverage, heavy forest or jungle conditions.

ClipIR - The Combat-Proven Standard for Clip-On Thermal Imagers

ClipIR - with patented Shutterless XTi Technology® is the first clip-on thermal imager capable of producing a real-time “Full-View” 40° Field of View fusion image. Weighing just 150g and 11.5cm long, ClipIR is the compact yet powerful solution for upgrading to fused night vision, maximising detection and identification capabilities.



ClipIR's 40° Field of View Fusion Image

Full 40° View for Situational Awareness

Other clip-on thermal imagers have limited coverage of the field of view resulting in diminished situational awareness and non-detection of potential threats. This can lead to a false sense of security and increased vulnerability.

ClipIR's real time image update avoids image lag and nausea experienced with other devices.

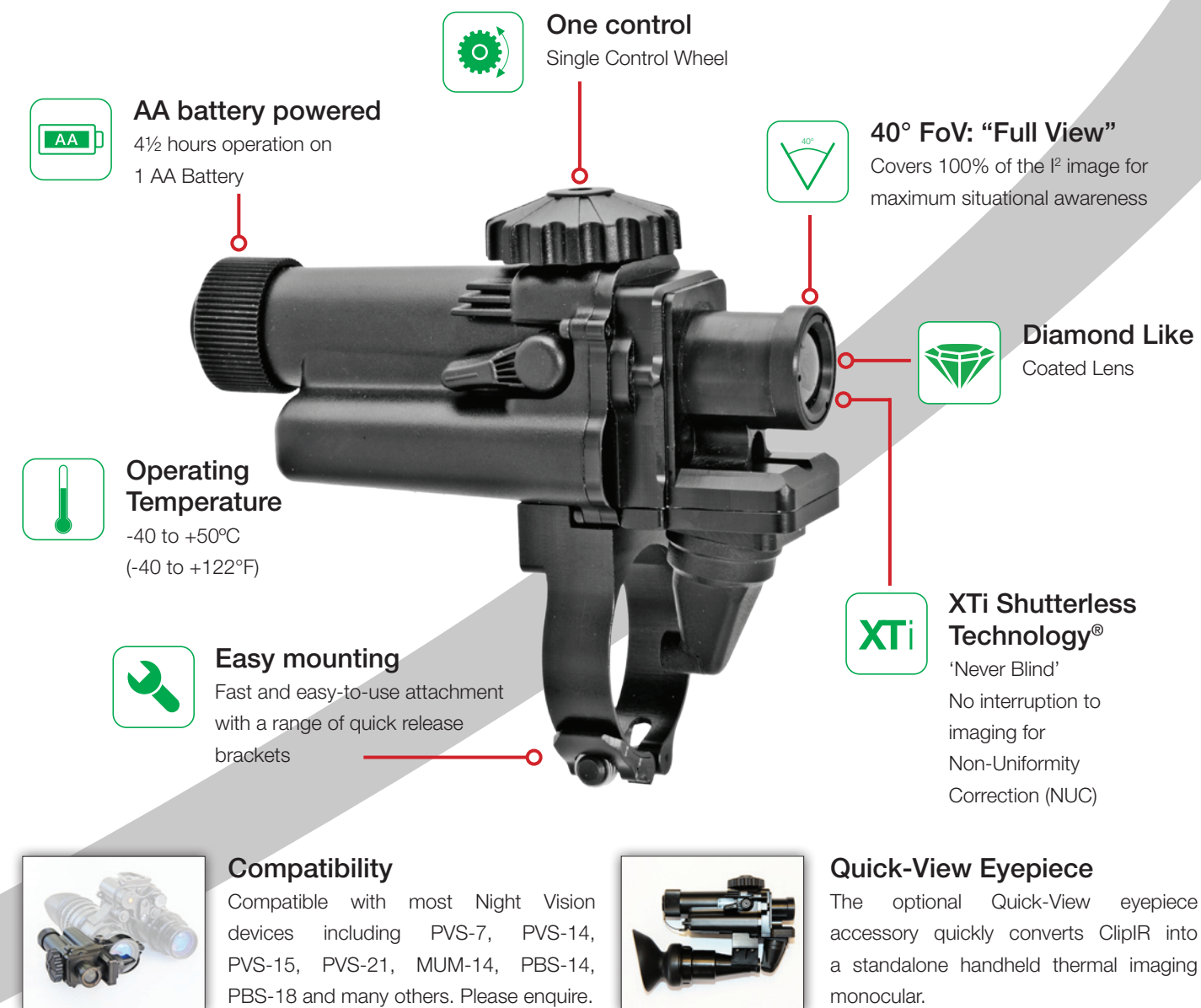
Full temperature range with one AA battery

ClipIR is unique in its wide ambient temperature operating range. ClipIR is engineered to provide “Full-View” fusion with market leading temperature performance of -40°C to +50°C (-40°F to +122°F) for the most extreme environments.

ClipIR runs for 4.5 hours on one standard AA battery - as used in most image intensifiers.

Simple to attach in the field and simple to use

ClipIR is compatible with a wide range of monocular and binocular I² devices. Mounting ClipIR is quick and simple even in the dark and requires no modification to the image intensifier. A true force multiplier, ClipIR is an immediately usable mission-ready device with a fast attachment & quick release mechanism as well as an easy-to-use on-screen menu. All functions/modes are quickly and simply accessed via a single control wheel specifically designed for left and right handed users even when wearing gloves.



Shutterless XTi Technology®

Thermoteknix patented Shutterless XTi Technology® allows completely silent, solid state operation without any interruption to imaging or need for cumbersome Non-Uniformity Correction (Calibration) procedures - no need for calibration using a lens cap. With ClipIR there is no degradation of image quality over time coupled with ‘Always On - Never Blind’ vision for optimum mission performance.

The ClipIR advantage

ClipIR provides users with the unparalleled detection capabilities of thermal imaging as well as superior identification capabilities of image intensification in the most advanced image fusion add-on accessory available today.

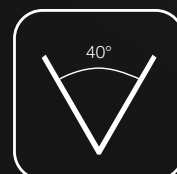


Technical Specifications

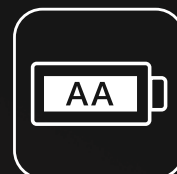
Sensor	Thermoteknix MIRICLE MicroCAM™ 384 x 288 Amorphous Silicon 25 micron uncooled LWIR microbolometer
Shutter (Non-Uniformity Correction)	None required Thermoteknix Patented XTi Shutterless 'Never-Blind' Technology®
Image Refresh Rate	50 Hz
Optics	Fixed focus, 13.2mm f/1.2 athermalised lens
Field of View (FoV)	40° FoV (matched to Image Intensifier)
Internal Display	800 x 600 OLED
Internal Battery	1 x AA Battery
Battery Life	4½ hours at 0°C to +50°C / 32°F to +122°F 2½ hours at -40°C / -40°F No external battery required
Operating Temperature Range	-40°C to +50°C / -40°F to +122°F
Attachment	Left or Right Eye – Quick Release Fitting
Size	115 x 40 x 75mm (Max) / 4.5 x 1.6 x 2.95 inch (Max)
Weight	150g (5.3oz) including battery
Controls	ON/OFF switch Single control for all functions (left/right hand) Glove compatible
Functions	X and Y parallax alignment of IR to I² Variable blend between I² and IR (0-100%) Black Hot / White Hot (Invert Polarity) On-screen menus / battery and status indicators Full thermal overlay mode Edge enhancement mode Contour mode Phase pulse mode with adjustable intervals
Compatibility	PVS-7, PVS-14, PVS-15, PVS-21, MUM-14, PBS-14, PBS-18. Please enquire for other models
Optional	Quick-View Eyepiece Accessory converts ClipIR into a standalone Thermal Imaging Monocular



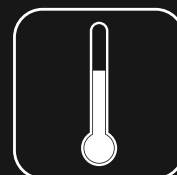
XTi Shutterless
Technology®



Full 40° Field of View



AA battery powered



-40°C to +50°C
-40°F to 122°F



One knob adjustment



Easy mounting

Thermoteknix MIRICLE® & MicroCAM™ based products are not subject to US ITAR control but may require UK export licence depending on the end-user country and specification. ClipIR is designed and manufactured in the UK.

ClipIR is not for sale or use in USA | Specifications subject to change

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