

## MARKET LEADING NIGHT VISION AND THERMAL IMAGING SYSTEMS FOR MILITARY AND SECURITY APPLICATIONS

Theon Sensors is a global leader in night vision determined by sales and international customer reach.

The Theon Sensors product range includes night vision goggles, night vision and thermal clip-on and weapon sights and platform based systems.

Lightforce has signed an exclusive agreement with Theon Sensors to be the distributor and local service provider for their electro-optics products within Australia.

As part of this agreement, Lightforce and Theon have a plan for the manufacturing, assembly, testing and through life support and maintenance of Theon Sensors products to be undertaken within the Lightforce facility in Adelaide.

### PRODUCT RANGE

#### THERMAL NIGHT SIGHTS

- THERMIS Extra Long Range (ELR) Clip-on In-line Thermal Night Sight
- THERMIS Long Range (LR) Clip-on In-line Thermal Night Sight

#### IMAGE INTENSIFIED NIGHT SIGHTS

- DAMON Clip-on In-line Image Intensified Night Sights (LR & MR)

#### NIGHT VISION BINOCULARS & MONOCULAR

- MIKRON-D Dedicated Night Vision Binocular
- NYX Dedicated Night Vision Binocular
- Argus Dedicated Night Vision Monocular



## THERMÍS THERMALCLIP-ON SIGHTS

The THERMÍS family of uncooled Thermal Clip-on Sights (TCS) was developed to provide soldiers with an unrivaled day/night advantage in detecting, observing and engaging hostile targets, independent of darkness and common obscurants used for visual concealment. The clip-on sights are designed for use in tandem with medium or long range day sights to provide targeting at night, while maintaining the day optic's ballistic zeroing.

The THERMÍS family of Clip-on sights incorporate the latest IR sensor, electronics and optical technologies to deliver world leading performance and reliability. All variants generate superior IR imagery, ensuring target recognition at the maximum possible range. Optimally-sized rear optics, retain day optics eye box, ensuring user comfort.

Tailored engine design is coupled with intuitive user interface to deliver maximum range performance. Optimized control of the image

processing and region-of-interest settings result in enhanced user experience. Local contrast enhancement delivers superior image quality.

The built in digital compass and inclinometer provide range estimation and target orientation.

The LR / ELR clip-on models are suitable for the squad leader's weapon, Sniper Rifles, and Heavy Machine guns (i.e. M2 HB, MK19 etc.).

## FEATURES

- Proven uncooled IR sensor technology for superior image quality
- Intuitive User control
- Built-in Digital Compass & Inclinometer
- State Of the Art Image Enhancement Algorithms
- Video capture
- Image Capture and Storage
- Energy Efficient (> 10 hours) Quick Start-up (< 3 seconds)
- Power Supply: 4 AA Batteries in Rapid change, cartridge-style tactical power packs
- Ruggedised military design



## DAMΩN CLIP-ON IN-LINE IMAGE INTENSIFIED NIGHT SIGHTS

The DAMΩN family of Clip-On Night Vision Devices (CNVDs) was developed to provide soldiers with an unrivaled night vision and target acquisition capability. The clip-on sights are designed for use in tandem with medium or long range day sights to provide targeting at night, while maintaining the day optic's ballistic zeroing.

DAMΩN is simple in operation with ON/OFF/Manual Gain Control and Focus knobs ergonomically positioned on the device.

DAMΩN attaches quickly and with a simple way to picatinny rails (optional use of single lever mounts). No removal of the day sight or any boresighting is required, thus eye relief shooting position and user's muscle memory remain the same.

Day sight's exit eye box is retained via DAMΩN's large collimating optics. DAMΩN is manufactured of aircraft-grade aluminum and is fully military specified and tested. An additional picatinny rail enables installation of auxiliary equipment such as an IR illuminator etc.

The DAMΩN MR is suitable for short-range rifles (i.e. M16, M4, AK-47 etc.), while the LR is suitable for the squad leader's weapon, Sniper Rifles and Machine guns (i.e. FN Minimi, MG3, M2 HB, MK19 etc.).

## FEATURES

- Two variants to meet mission requirements: Medium (MR) and Long (LR) Range
- Adds night vision capability by placing in front of day optical sights
- No need to remove day sight. Eye relief, shooting position and user's muscle memory remain the same
- Advanced optical design - Excellent performance / weight ratio
- Small and lightweight
- No boresighting required
- Provided with or without Manual Gain Control
- Simple and quick single throw lever mounting on picatinny rails



## MIKRON-D DEDICATED NIGHT VISION BINOCULARS

MIKRON-D is a cutting edge, full MIL-SPEC, image intensified, dual tube binocular that is able to be operated helmet-mounted, head-mounted or hand-held.

It offers better depth perception than single tube systems making it easier to judge distances and relative motion so the ability to perform tasks such as driving is greatly improved. MIKRON-D is the ideal choice for special operations forces.

For momentary configuration changes, the user can flip away each monocular separately. With both monoculars flipped away and flipped up, the system stows along the contour of the helmet thus reducing its silhouette and neck strain, minimizing the danger of system damage. MIKRON-D features self-contained single AA battery power and can be also operated via a remote battery pack at the rear of the helmet for increased operational life.

## FEATURES

- The lightest NV binocular
- Same performance as 18 mm devices with reduced weight
- Rugged and user-friendly design based on real user feedback
- Binocular stereoscopic vision for greater depth perception
- Optional Manual Gain Control
- Integrated Infrared Illuminator
- Independent Flip away & Flip up function - reduced silhouette
- Enhanced sturdiness and ease of use dovetail design
- 25 mm eye relief for improved comfort
- Smart electronics
- Mounts available for a wide range of helmets including VAS shroud



## NYX DEDICATED NIGHT VISION BINOCULAR

NYX is a cutting edge, full MIL-SPEC, image intensified, dual tube binocular that is able to be operated helmet-mounted, head-mounted or hand-held. It offers better depth perception than single tube systems making it easier to judge distances and relative motion so the ability to perform tasks such as driving is greatly improved. NYX is the ideal choice for special operations forces.

NYX includes an integrated infrared illuminator, reducing the need for the warfighter to carry a separate illuminator. Image intensifiers enable soldiers to operate in low- and no-light combat scenarios more effectively than ever before and can easily be replaced at the unit level.

For momentary configuration changes, the user can flip away each monocular separately. With both monoculars flipped away and flipped up, the system stows along the contour of the helmet thus reducing its silhouette and neck strain, minimizing the danger of system damage.

NYX features self-contained single AA battery power and can be also operated via a remote battery pack at the rear of the helmet for increased operational life.

## FEATURES

- The lightest Night Vision binocular in its category
- Rugged and user friendly design based on real user feedback
- Optional Manual Gain Control
- Integrated Infrared Illuminator
- Independent Flip away & Flip up function
- Enhanced sturdiness and ease of use dovetail design
- 25 mm eye relief for improved comfort
- Smart electronics
- Mount available for large range of helmets including VAS shroud
- Complete range of accessories



## ARGUS DEDICATED NIGHT VISION MONOCULARS

ARGUS is a family of innovative, full MIL-SPEC, image intensified multi-purpose monoculars systems that can be operated as hand-held, head-helmet or weapon-mounted. Lightweight, yet of robust construction, with superior optical characteristics and performance, utilizing standard AA batteries (rechargeable, alkaline or lithium) for operation.

This groundbreaking system allows the individual soldier to perform observation, short range (surveillance, weapon aiming, map reading and medical aid operations during all night conditions).

Both versions (LW and FS) can be offered with or without Manual Gain Control (MGC).

## FEATURES

- Argus LW (Light Weight) or
- Argus FS (Fail Safe 100% shut off mechanism)
- Lightweight, robust and compact
- Lightest head and helmet mounts in the market
- "Four+2" degrees of adjustment, ambidextrous operation for head and helmet mounts
- Quick release dovetail mechanism for head, helmet and weapon mounts
- Collimated line-of-sight
- Randomly bridged to dual binocular configuration
- Optional Long Range Laser Illuminator
- Complete range of accessories including 3X and 5X magnifiers, sacrificial, antifogging, day training, laser protection filters, camera adapters etc.





## CONTACT DETAILS

Paul Mason  
Business Development Manager  
Telephone +61 (0) 8 8440 0888  
paul.mason@forceordnance.com  
11 Manton St, Hindmarsh, South Australia



Lightforce  
**Group**

[LIGHTFORCEGROUP.COM.AU](http://LIGHTFORCEGROUP.COM.AU)