Clip on
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TACS-M

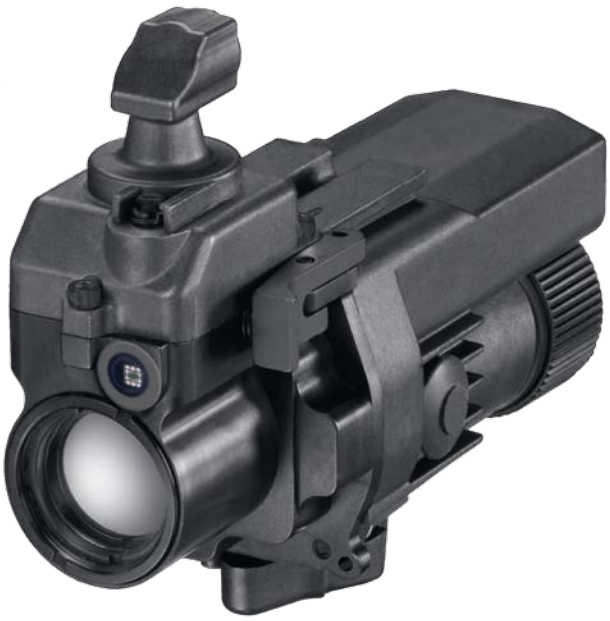
Thermal Acquisition Clip-on System

+ Attachable to most I² devices
+ Add thermal capability
+ Small and lightweight
+ Low power consumption
+ Simple and easy to use

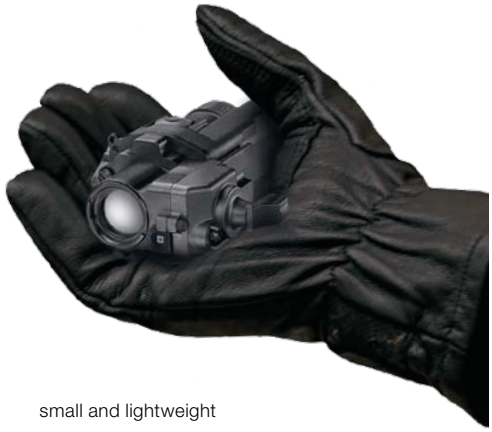
vectronix

TACS-M

Thermal Acquisition Clip-on System, Miniature



front view



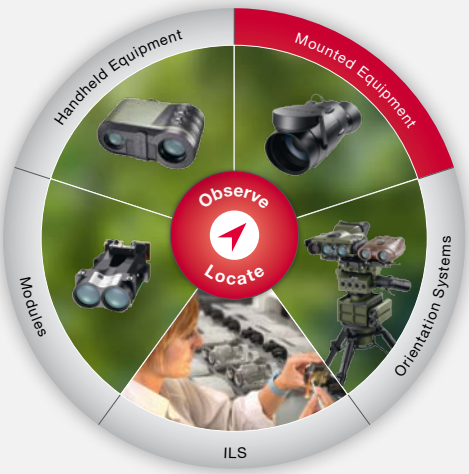
small and lightweight

Thermal Acquisition Clip-on System

The TACS-M easily attaches to existing Night Vision Devices (NVDs) to add additional capabilities. Low power consumption, optimal sensor technology and high-performance optics integrate seamlessly to provide state-of-the-art long-wave infrared technology. Since TACS-M mounts on currently-existing NVDs with a bracket, the clip-on technology allows increased capabilities without the need to refit helmets for special equipment.

Small and lightweight

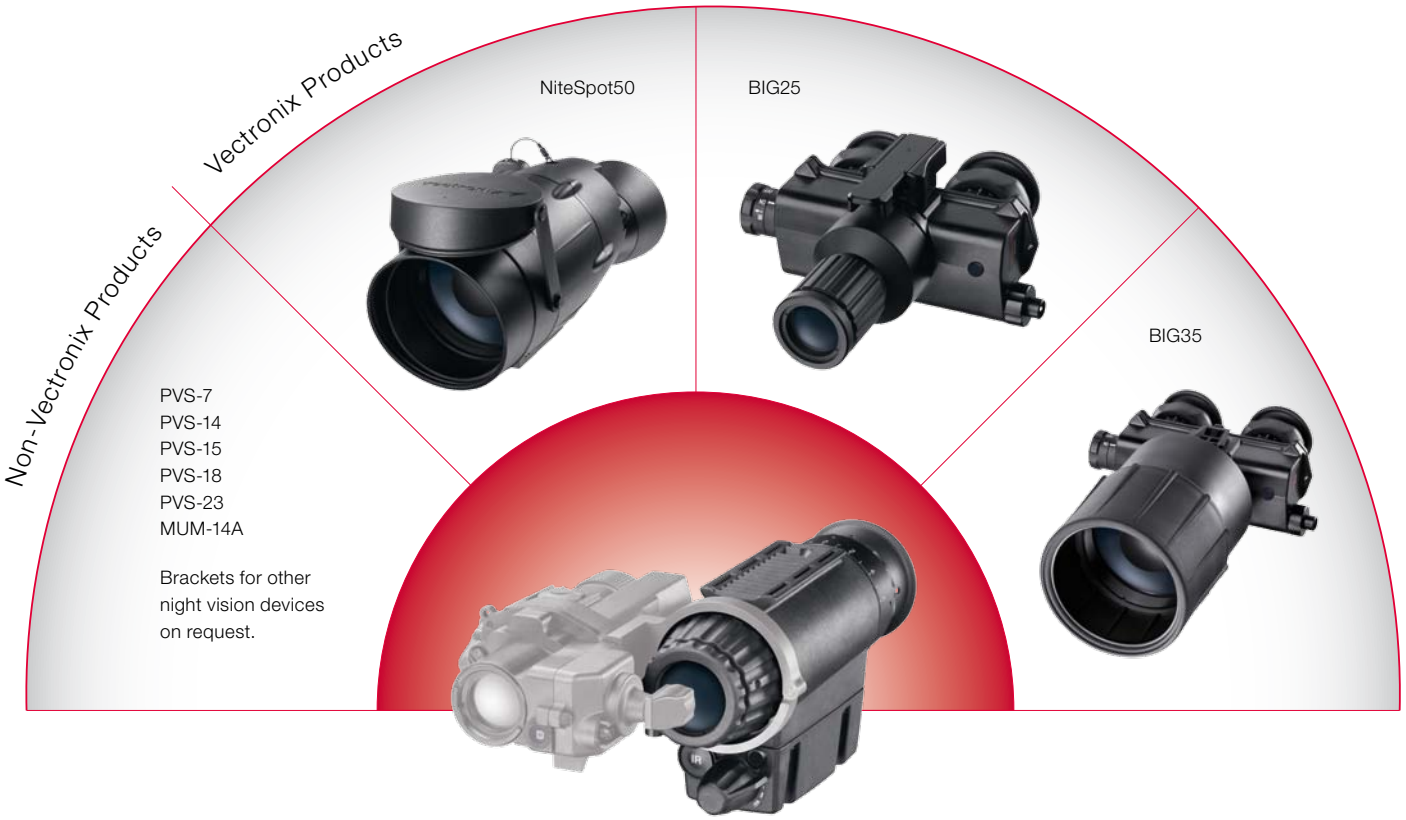
The miniaturized design causes the unit to be lightweight. TACS-M consumes very little power and consequently can be used for extended periods of time. The unit's waterproof and rugged construction can withstand the harshest environments.



Observe and Locate – Day and Night

Vectronix is a global leader in state-of-the-art optronic equipment, systems and sensors for military and civil applications. Nearly 90 years of Swiss tradition and excellence in optics and precision engineering are reflected in our products – handheld laser rangefinders and night vision devices, tripod-mounted orientation and positioning systems and sensor modules for our OEM partners. Our pride is to offer our customers accurate, reliable, high quality products with combat-proven low failure rate. We possess the flexibility to address specific customer requirements, create customized solutions and provide support over the complete product life cycle. Headquartered in Heerbrugg, Switzerland, Vectronix AG is owned by Sagem (Safran group) and maintains two subsidiaries with four branches in the US.

Attachable to most I² devices



TACS-M and TARSIUS16

TACS-M attaches seamlessly to the Vectronix helmet-mounted night vision monocular TARSIUS16. Among TACS-M's numerous uses/benefits, the combination of TACS-M and TARSIUS16 is among the most valuable. With a total weight of approximately 400 g, this combination is a useful addition to a soldier's equipment. The field-proven TARSIUS16 provides robust night vision capabilities with razor-sharp image quality, a rugged and ergonomic design and low power consumption.

+ Low power consumption
+ Simple and easy to use
+ Enhanced situational awareness
+ Seamless coupling of I² and TI technologies
+ Visibility in no-light, smoke, light dust conditions

Image intensified only (I²)

I² and thermal (outline mode)

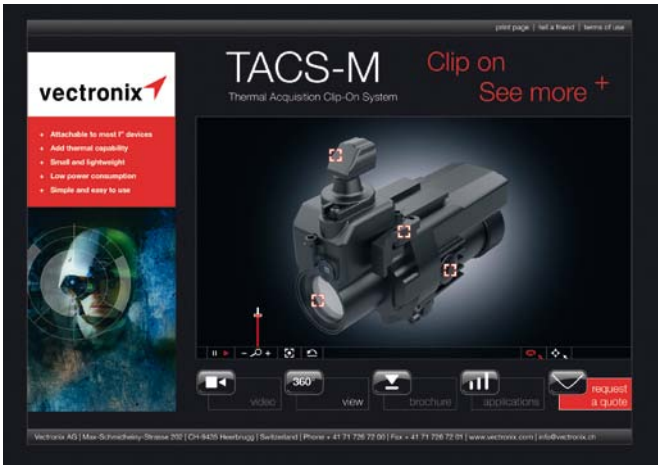
Full Thermal mode | Outline mode | Patrol mode

Add thermal capability

When added to a standard I² system, TACS-M enables the user to detect thermal sources and improve situational awareness. Even in pitch-black, no-light, adverse environmental conditions, recognition range extends dramatically. With TACS-M the user is even able to see into darkened openings and detect residual heat – situational awareness at the highest level.

Maximization of information content

Additional Information



www.vectronix.com/TACS-M

Technical Data

Optics

Magnification	1x (optical unity)
Field of view	20° circular, centered
Objective	Fixed Focus
Aperture	f / 1.15

Image sensor

Sensor Type	uncooled LWIR Microbolometer
Image Sensor	320 x 240 pixel
Wavelength	8-12 µm

Range performance[1)]

Thermal Range	Clear	Obscured
Detection	> 500 m	> 500 m
Recognition	> 300 m	> 300 m

Display

Display	Micro Display
Polarity	white hot or black hot
Brightness	adjustable

Power supply

Battery	1x 3VDC Lithium, type CR 123A
Operating time (one battery)	> 3.0 h @ 23°C
Operating time (auxiliary battery pack)	> 8.0 h @ 23°C
Combined operating time (without change of batteries)	> 11.0 h @ 23°C

Physical

Dimensions (l x w x h)	140 mm x 38 mm x 76 mm
Weight	150 g (incl. Battery)

1) Verified and tested independently

For further specifications please refer to the product technical data sheet.

TESTED TO MIL-STD-810
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VISIONED

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