

A close-up photograph of a soldier wearing a helmet and a night vision monocular mounted on a rifle. The soldier's eye is visible through the device. The background is dark and blurry, suggesting a night-time tactical environment. The text is overlaid on the lower-left portion of the image.

TURN NIGHT INTO DAY

TARSIUS18

MINIATURE NIGHT VISION MONOCULAR

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MINIATURE NIGHT VISION MONOCULAR

A new standard of performance

TARSIUS18 boasts miniaturised components and standardised 18mm image intensifier tube. TARSIUS18, with his 280g, still is one of the smallest and lightest MIL-spec night vision devices. The unique blend of high performance, compactness, ergonomic design and flexibility provides users with superior situational awareness and agility.

A new standard of safety

The revolutionary ultra light-weight design of TARSIUS18 puts almost no physical stress on the operator, thereby reducing strain on the neck and back and improving mission performance.

A new standard of excellence

With over 70,000 units in operation, Vectronix is a leader in the night vision market. Swiss craftsmanship and quality ensure each TARSIUS18 exceeds military specification standards. Professional support from Vectronix helps customers make sound investment decisions while logistic and service packages protect their investment.

Smart Mount

+ With its Smart Mount, TARSIUS18 can be configured specifically for the user's operational scenario. Without cumbersome tools or adapters, it transitions quickly between handheld use, system, face mask and helmet mounting, either in single or dual configuration.



Intensifier Tube

+ The tube adjusts itself to varying levels of ambient light which is essential when operating in urban terrain.

Eyepiece

+ TARSIUS18 has a generous size exit pupil and eye relief to allow its use while wearing NBC protective gear.

Power Concept

+ With its low power consumption, and the flexibility to use the following commercial standard batteries: CR123 and AA sized batteries.
+ TARSIUS18 operates for over 50 hours, providing added security while improving mission readiness.

Objective

+ Surveillance range and effectiveness are remarkably enhanced with the use of the optional 3x Magnification Lens.

Control Button

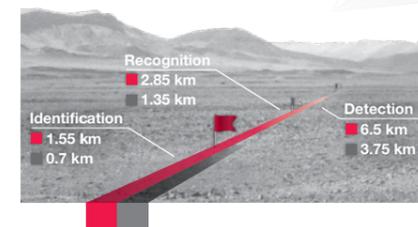
+ IR Control –The separate IR illuminator button and dual activation modes for continuous or manual operation provide the user with added control and reduce the risk of detection.
+ ON/OFF for Flip-up shut off – Flip-up shut off can be activated and deactivated.

ON/OFF and Brightness

+ The knob for deliberate brightness control allows optimum recognition of details.



Observation Range



■ Day: NATO Target (2.3 x 2.3m, reflectivity 10%), observer visibility 10 km

■ Night: 10mlux, quarter moon

DRI Ranges

30% contrast, 0.95 x 0.95 m, Photonis XR5

	50% Starlight	Starlight
Detection	238 m	322 m
Recognition	82 m	112 m
Identification	36 m	49 m



Find more information under www.vectronix.ch

TECHNICAL DATA

Optics		Physical	
Magnification	1 x	Dimensions (L x W x H) (w/o eyecup)	120 x 42 x 68 mm
Field of view	42°	Weight (without battery and lense cover)	~ 280g
Limit of resolution	≥ 1.2lp/mrad (high contrast USAF target at infinity, depending on the I ² tube used)	Environmental conditions, tested to MIL-STD-810G	
Image Intensifier Tube	18 mm	Operation	-40°C to +55°C
Image Intensifier tube¹⁾		Storage	-46°C to +63°C
Available make and models:		1) depending on the selected I ² tube, EU, US and Swiss export regulations may apply	
Photonis SuperGen	FOM ≥ 918	For further specifications please refer to the product technical data sheet.	
Photonis XD-4	FOM ≥ 1,200		
Photonis XR5	FOM ≥ 1,472		
Photonis XR5 ONYX	FOM ≥ 1,472		
Photonis INTENS	FOM ≥ 1,800		
Exelis F9815M18	FOM ≥ 1,800		
Power supply			
Lithium Battery, CR123	~ 50h @ 20°C		
Alcaline Battery, 1.5V	~ 20h @ 20°C		



ACCESSORIES



3 x magnification lens



Flip-up adapter



Face Mask
various models available



Helmet Mount
Various models available



Transport case
The easy-to-carry and hard shell transport case ensures protection of the product – the ideal solution for foreign deployments.

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