



DIANA TT

Twin Tube Night Vision Goggles

Applications: Defence & Security, Law enforcement

The Twin Tube Night Vision Goggles DIANA TT are an universal night vision device with one time (1x) optical magnification. They are specially designed for individual night observation with full field of view wider than 50°. With their help, low illuminated and low contrast objects (targets) can be found, recognized and identified. The observation with the device could be implemented when the device is handheld, mounted on a head mount (facemask) or on a helmet.

DIANA TT can be used for surveillance and reconnaissance tasks at dusk/dawn and in the conditions of natural night illumination. They can also be used for performing defensive or assault operations in the conditions of natural illumination or for urban warfare.

The stereoscopic optical design makes the goggles suitable for driving different vehicles and the integrated IR illumination is suitable for reading maps and documents in conditions requiring secrecy.



TECHNICAL CHARACTERISTICS

PARAMATER	VALUE
Magnification	1X
Objective's equivalent focal length	20.4 mm
Field of View	> 50°
Entrance pupil diameter	19 mm
F-number	1.1
Focus range	From 0.25 m ÷ ∞
Eyepiece diopter adjustment	From +4 to -6 diopters
Exit pupil diameter	18 mm
Exit pupil relief	25 mm
Inter-pupil distance	66 mm fixed
Power supply	1 x 1.5 V AA alkaline battery or 1 x 1.2 V AA rechargeable battery or 1 x 3.6 V AA lithium battery
Overall dimensions (L x W x H)	105 x 110 x 71 mm (w/o the eyecups)
Weight	≤ 580 g. (w/o the battery)
Operation time	20 hours (alkaline), 10 hours (rechargeable), 30 hours (lithium)
Operation temperature	From -50°C to +50°C
Storage temperature	From -56°C to +65°C
Calculated performance range*	
Detection range	183 m ÷ 300 m
Orientation range	153 m ÷ 250 m
Recognition range	72 m ÷ 120 m
Identification range	34 m ÷ 57 m

*Calculated for 1,7m x 0,5m target based on Johnson's criteria and depending on Image Intensifier Tube, without taking atmospheric conditions into consideration

