

PRODUCT PRESENTATION 2023

Thermal imaging clip-on + FTs adapter





www.nitehog.com

VIPER

by NITEHOG™



THE MOST COMPACT AND LIGHTWEIGHT
THERMAL CLIP-ON IN ITS CLASS

FROM HUNTERS TO HUNTERS

Possessing vast know-how in the field of thermal imaging devices, we have created **VIPER** so it best meets the customer requirements.

Small, lightweight, precise, easy to mount and use **VIPER** provide everything a user needs to achieve its goal.



HUNTING



COMPATIBLE WITH ALL
OPTICAL SIGHT



SPORT SHOOTING AND
LAW ENFORCEMENT



PEST CONTROL



FOCUSED ON THE HUNTERS NEEDS



PERFORMANCE ON THE FIELD

Observation and clip-on mode, with the image, scaled for most comfortable use. **No magnifier needed.**

Image details are ensured by the Nitehog's own **A-Core** with a **12-micron pixel pitch** of the sensor and a high-quality display with **1024x768 pixel resolution**.

Viper is quickly, easily, and seamlessly mounted on any type of day optic sights, through its **ultra-low profile**.

The device ensures **up to 5 hours of operating time** with a standard 18650 battery.

Viper allows trouble-free use in **all weather conditions**.

Viper guarantees **uncompromising precision**, regardless of the offset mounting angle to the day optic sight.



UP TO 1380 M

Detection range for target
1.80x0.50 m



UNCOMPROMISING PRECISION

Tested and guaranteed by our
specialists



EXTENDED BATTERY LIFE

Viper has up to 5 hours of
battery life with 18650
battery



WATER RESISTANCE

Viper carries the IP 66
certification



TECHNICAL SPECIFICATION

VIPER

Sensor size	320x240
Pixel pitch	12
Focal Length of Objective Lens	35 mm
Frame rate, Hz	60 Hz
Magnification	1x optical, 2x4x digital
Display resolution	1024x768
Battery life	up to 5 h
Detection range (1.80x0.50 target), m	1380
Waterproof	IP 66
Dimensions	130x58x45mm
Weight	254 gr
iFOV /instantaneous FOV/	0.34



VIPER
by **NITEHOG™**

NOT ONLY FOR HUNTING



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And this, more than image definition, is paramount in a professional use. Interfacing would double the refresh rate but would also introduce artifacts and ghosting in rendering fast moving objects – so beware of so-called high refresh rate specs that do not specify it as progressive.

NITEHOG TIR-M35 AC Viper – technical details and features

The Viper is small and light – about 300 g with the battery and less than 14 cm long; it measures just 133x63x46 mm overall.

It is a no frills and very spartan device, offering a feature set that includes the essential and no more, no complex menu structure, nothing that can distract the user and make it hard to use when it counts. In this, the design team got it absolutely right. The **intuitive pictogram menu system is easy to follow and operate** even for users that just skimmed the manual.

The whole device is operated using a **simple three button top mounted panel** with multi-functional keys, including power. The NITEHOG Viper lacks some “features” that could indeed come handy, such as A/V recording and remote operability, but to tell the truth, I felt no need for these as I tested the electro-optic. The basics, and more are all there: it does have a couple color palettes, such as red-hot and isotherm, and the customary white or black hot. It can zoom up to 4x in observation mode.



I tested the NITEHOG Viper using a 7,5" DR-15 SBR (Short Barreled Rifle) in 300BLK; it's an extremely compact gun, only 55 cm long with stock in the closed position. It can use 20- and 30-round magazines.



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condition, without alignment, is adequate for engagements in typical LE MOUT scenarios that rarely exceed 30 meters. SWAT Team officers have been quite impressed with the described optics+gun package, handling and running it through a couple of light drills before confirming specifically that the Viper is “approved”.

Our impressions from the NITEHOG Viper test in a “professional environment”

So, to wrap up my little test with the NITEHOG Viper in a hypothetical LE and Professional use scenario, I can attest that **this compact electro-optic has a lot of potential and performs really well**; the price is affordable and the flexibility of the Viper is able to make it shine even in an extreme and niche use such as in the hands of a Special LE officer.

But of course, our most interested readers will want to know how it performed in our live fire hunting test. all4hunters.com will satisfy all curiosities shortly, and with a video too! Keep following us!

MSRP of the NITEHOG Viper clip-on thermal imaging optic is 3,099 euro, including VAT; small differences in the price in EU countries are due to local VAT and taxes regulations.



Only three, multi-functional buttons are used to operate the NITEHOG Viper fully. The internal firmware menu is also easy and intuitive to navigate.



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FLIP-TO-SIDE adapter
for extended product application

SPECIFICATION

Secure mounting

Fixed on the Picatinny rail within a rugged system

Robust operational dependability

Developed for VIPER 35 and VIPER 50 Next with an excessive alignment to your day optical sight

Precise positioning mechanism

Ensures match with optical axes of a diverse range of day optical sights.

Adaptable to a wide spectrum of rifles with picatinny rails

Extended and rigorous utilization with hunting and defense weapons as assault rifles.

Material

7075 Aircraft aluminum, Stainless steel, Military Specification MIL Anodic Coating

Mount height

39 mm optical height from the Picatinny base. Can be additionally changed.



HUNTING



LAW ENFORCEMENT



SPORT SHOOTING

VIDEO



HUNTING



LAW ENFORCEMENT



SPORT SHOOTING

WHY TO CHOOSE NITEHOG?

NITEHOG is a reliable and loyal partner because we are focused on quality, reliability, uncompromising precision and sustainable product development.

Benefits of being a Nitehog partner:

- Reliable and proven **German brand**
- Turn-key **production in EU**
- Partners' **commitment and trust**
- **Durable and precise** devices for hunting and law enforcement;
- **Stock quantities**
- Qualified **service centers in Europe, the USA, and Australia**
- Quick shipping and competitive prices.

NITEHOG Europe stands behind its products and **guarantees** they will serve your needs long and seamlessly, making you feel part of our **big family**.





www.nitehog.com

THANK YOU
FOR YOUR ATTENTION

YOUR CLEAR VISION.

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