

# Trail

## Технические характеристики

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# TRAIL 2 LRF

NEW

40<sub>mK</sub>

# 2





# Disclosure

The product availability on website is for marketing purpose only and does not guarantee/imply that the device is available in your country for use/sell/order/other purposes. These products require special license and even could be forbidden due to local legislation.

DISCONTINUED

Thermal Imaging Sights

# TRAIL 2 LRF





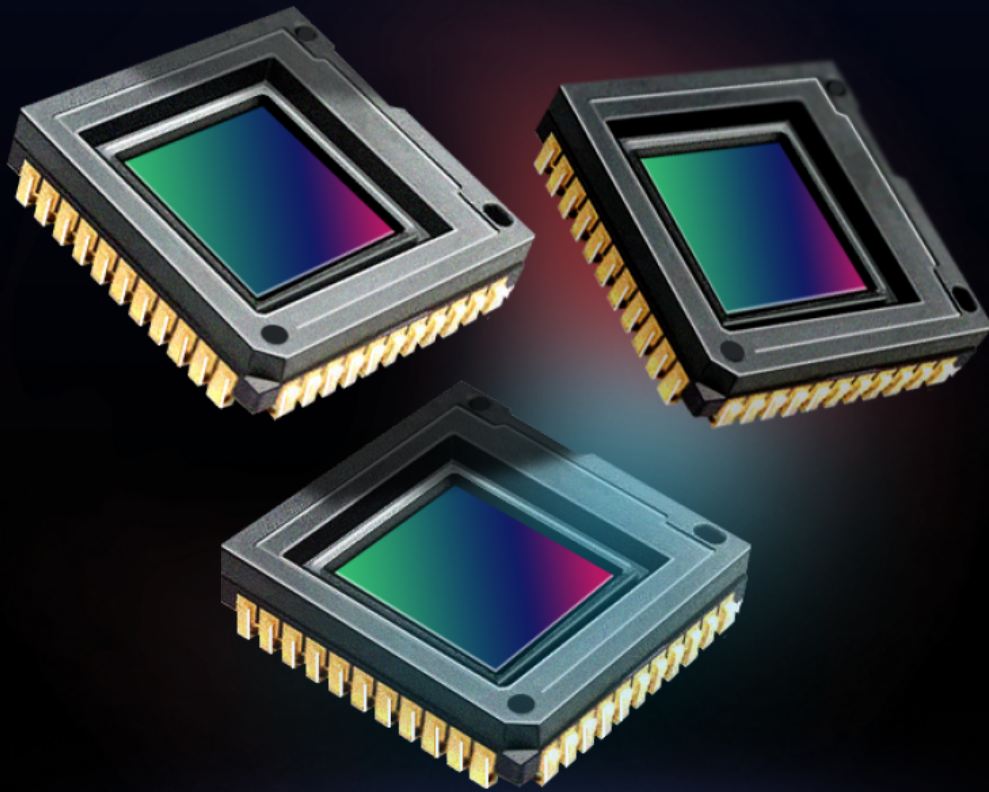
# The NEXT LEVEL OF THERMAL PRECISION

Built on a new hardware platform featuring new highly sensitive thermal imaging detector with <40 mK NETD and HD AMOLED micro display, TRAIL 2 LRF is able to produce sharp contrasted and full of detail image in all conditions. Capabilities of thermal detector are pushed even further by proprietary software features of PULSAR like Image Detail Boost technology and Observation modes. Integrated laser rangefinder provides quick on-the-go range data for precision shooting. Video recorder with 16 Gb of internal memory, Wi-Fi module and a number of other important features turn the unit into a versatile hunting tool for even the most demanding professionals.



# Highly sensitive thermal imaging sensor

Thermal imaging sensor with NETD 40mK ensures perfect detail recognition even in the hardest weather conditions when thermal contrast is low. The smallest temperature differences will be clearly visible during the rainfall, fog or cold mornings in the most difficult conditions for thermal imager.





# High Definition Image

Sharp, richly contrasted thermal imaging for enhanced identification of animals, their extremities and even the smallest details, i.e. branches, leaves, grass and terrain.





# Built-in precise laser rangefinder

Integrated, precision laser rangefinder provides accurate ranging in two modes – Single Time Measurement and Scanning mode with  $\pm 1$  m accuracy up to 1 km distance. Scanning mode allows the shooter to adjust quickly to changing distances for better shot placement.







# Shockproof magnesium alloy housing

Rugged and light-weight magnesium alloy housing is designed to withstand recoils of high caliber rifles. Increased structural rigidity reduces vibrations during the shot and leads to enhanced ballistics while properties of magnesium alloy help to ensure better heat dissipation.

012



24.31

Mg

MAGNESIUM



# Image Boost Technology

Image Boost technology is a proprietary combination of software algorithms that allows to raise image clarity and overall image detail. Application of Image Boost makes picture look sharper and more detailed enabling better object identification capabilities.



Image Boost .....  Off

Image Boost .....  On





# Full-Color, HD AMOLED Display

Trail's new HD display delivers crisp, richly contrasted, vividly colored field of view, AMOLED technology ensures flawless, fluid, high-resolution imaging and power saving.





# Wide-angle eyepiece

The field of view of the complex wide-angle six-lens eyepiece, employed in the TRAIL 2 LRF features 20% increase compared to the previous model. Combined with the HD quality AMOLED display, the eyepiece delivers a rich and deep image perception.







# Built-in photo and video recorder

The Built-in video recorder is a great asset when it comes to filming or taking photos of once-in-a-lifetime experiences. One press of the REC button captures footage that can be shared easily with colleagues, friends and family. 16 Gb of internal memory provide many hours of recorded video and tons of photos.





# 16 Gb Internal memory

16 Gb of memory offers enough space for recording and taking photos of exciting moments. Recorded files can be later downloaded to PC or smartphone.

16  
GB



# Long detection range up to 1800 m

Powerful objective lens in combination with professional grade thermal imaging sensor with NETD 40 mK provides exceptional detection capabilities. A standard 1.8m tall object can be detected at a 1800 m distance in complete darkness.

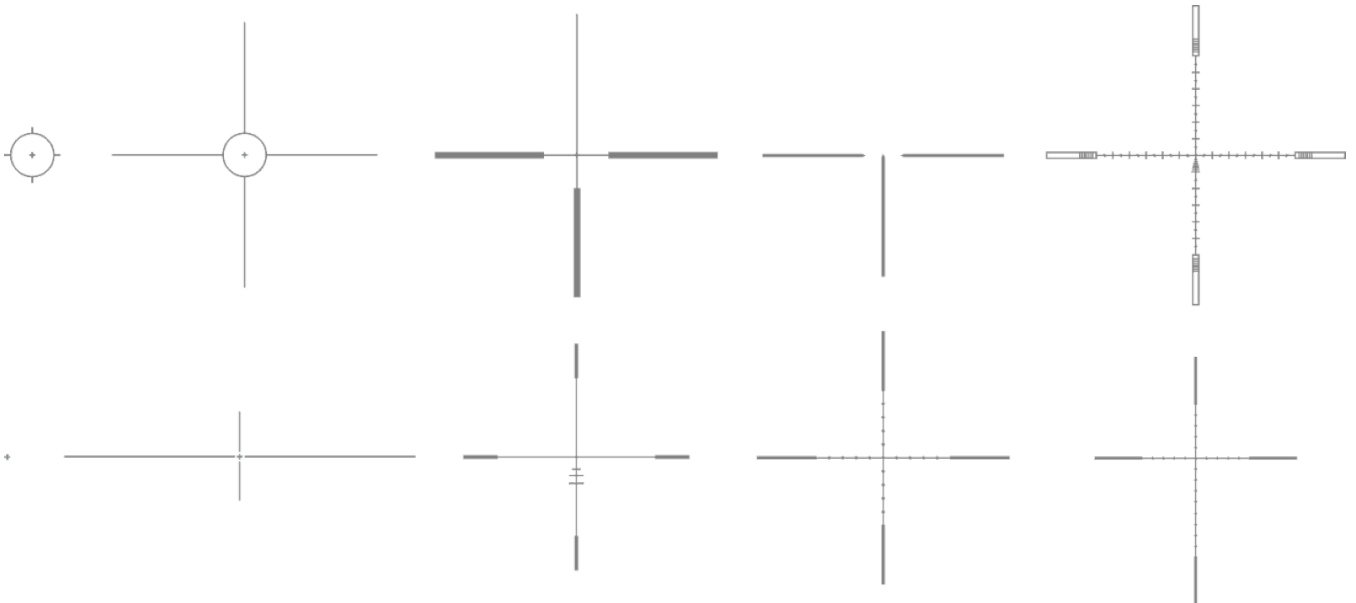
The text '1800m' is displayed in a large, white, sans-serif font, centered horizontally. It is overlaid on a background image of a winter landscape featuring snow-covered evergreen trees in the foreground and a mountain range under a twilight sky with a soft orange and blue gradient.

1800m



# Customizable Reticle Options

Wide array of color-customizable reticles, including scalable ballistic styles. Color options: black, white, red and green.





# **Instant Start-Up about 3 seconds**

Thanks to revolutionary electronics, TRAIL 2 LRF can be powered up almost instantly. Quick start-up increases battery life and prolongs overall operation time. With instant start-up capability, the unit can be powered rapidly activated when seconds count.

00:03



# Recoil Rated up to .375 H&H, 12-Gauge and 9.3x64

Recoil rated up to 6,000 joules for flawless performance on larger calibers up to .375 H&H, 12-gauge and 9.3x64.





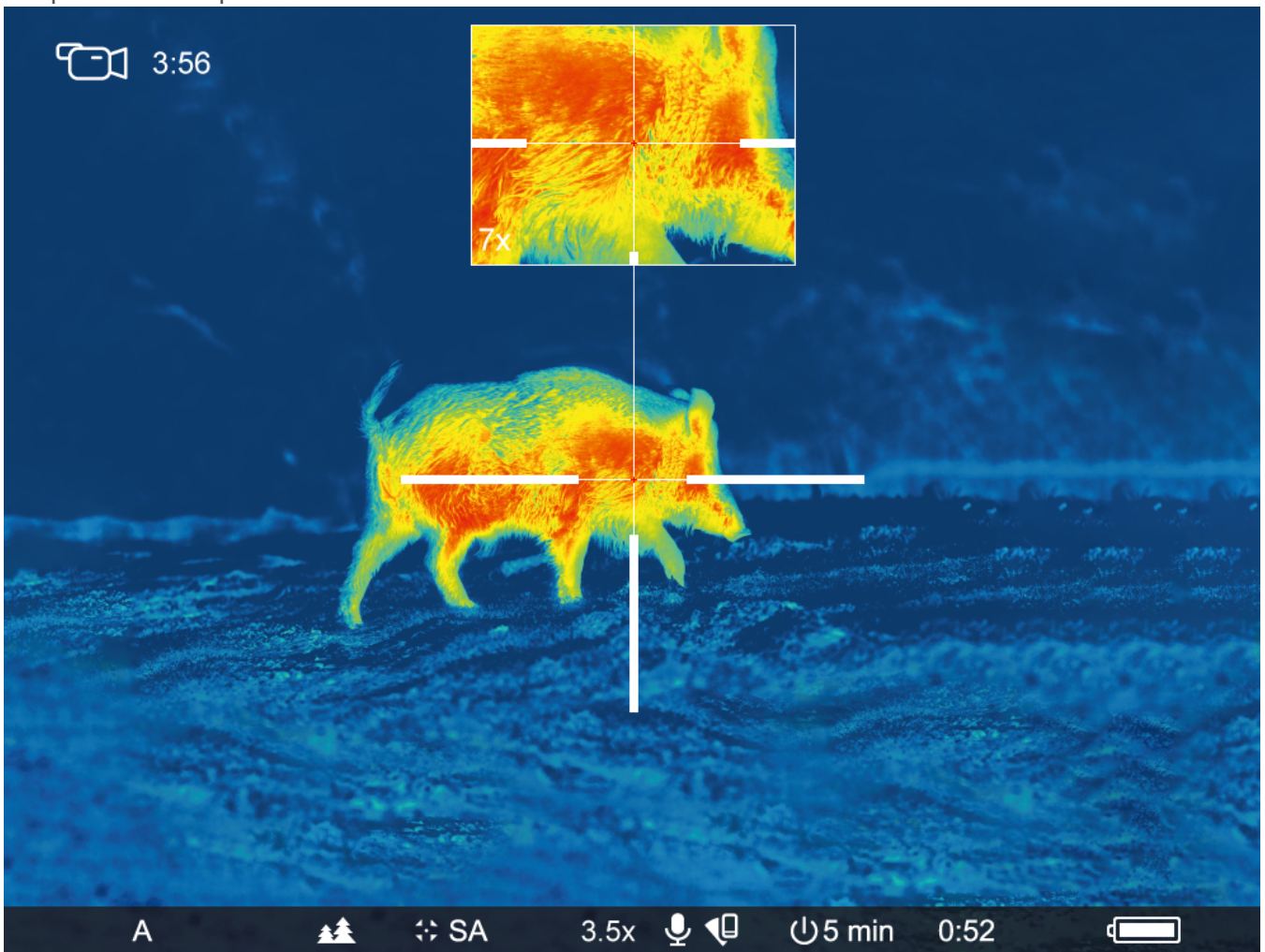
# Zeroing Profiles Management

Store up to 5 zeroing profiles, with 10 distance coordinates each for varying situations, in internal memory for quick rifle change-outs and on-the-fly adjustments.



# Picture-in-Picture

Picture-in-picture displays a magnified image at the top-center 10% of the overall field of view for precise shot placement.







# Variable Digital Zoom

Digital zoom, up to 8x, provides improved focus and overall target recognition at significant distances.





# Wi-Fi. Integration with IOS and Android devices

The built-in WiFi module connects the device with either Android or iOS smartphones using the Stream Vision 2 mobile app. This combination opens up a wide range of options: wireless device software updates, real-time image transmission to the mobile device screen, remote control digital functions and much more.

Users registered in the application are provided with cloud storage space for photos and videos taken with a digital or thermal imaging device. An important feature is that the device is still compatible with the previous, first version of the Stream Vision application.





# **IPX7 Waterproof Rated**

IPX7 waterproof-rated for protection from heavy rainfall, snow or other precipitation. TRAIL 2 LRF is designed to run flawlessly, even after submersion in up to 3 feet of water for up to 30 minutes.

# More Features



## High refresh rate 50 Hz

High Image frequency is important when shooting at moving targets. A high refresh rates ensures motion is fluid and in real-time, allowing more accurate speed assessment and shot placement.

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## B-Pack Power Supply

Trail 2 LRF includes a progressive autonomous B-Pack power supply consisting of a quick-detach, rechargeable IPS7, 6.4 A-h battery pack designed to deliver up to 8 hrs. of operation. Higher-powered IPS14 battery packs, as well as AA battery cases, also are available and provide a perfect off-the-grid power solution.

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## Wide range of operation temperatures

With a frost-resistant AMOLED display, the Trail 2 LRF thermal imaging riflescopes are designed to deliver flawless performance at an extreme temperature range of -25°C + 50°C.

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## User-friendly interface

The Trail2 LRF is designed with ease-of-operation in mind. User feedback has resulted in the most friendly interface to date, complete with an easy-to-read, icon-driven, alpha-numeric status bar at the bottom of the display. Internal menu items and options are also displayed on a contrasting gradient substrate so you can keep an eye on settings without losing sight of

your objective.

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## Display Off

During short periods of inactivity and better concealment, Display Off powers down the display without interrupting other operating functions. Using Display Off means a much faster restart time when you need it most

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## Mounts

Trail 2 LRF riflescopes are compatible with the following rifle mounts:

- Weaver U Mount
  - Weaver USQD Mount
  - Weaver LQD Mount
  - Weaver Mount
  - Weaver QD112 Mount
  - Weaver SQD Mount
  - Side Mount
  - CZ550 Mount
  - Los/ Dovetail Mount
  - MAK Adapter
  - Prism 14/200 Mount
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# Specifications

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**XQ50**



**XP50**

## Main

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Sensor	384x288 pix. @ 17 $\mu$ m (NETD <40 mK)	640x480 @ 17 $\mu$ m (NETD <40 mK)
Objective lens	F50/1.2	F50/1.2
Magnification, x	3.5 – 14 (x4 zoom)	2 – 16 (x8 zoom)
Field of view (HxV), degrees / m@100m	7.5x5.6 / 13.1x9.8	12.4x9.3 / 21.8x16.3
Detection range, m	1800	1800

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## Sensor

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Type	uncooled	uncooled
Resolution, pixels	384x288	640x480
Pixel pitch, $\mu$ m	17	17
NETD, mK	<40	-
Frame rate, Hz	50	50

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## Optics

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Objective lens	F50/1.2	F50/1.2
Magnification, x	3.5 – 14	2 – 16
Field of view (HxV), degrees / m @ 100 m	7.5x5.6 / 13.1x9.8	12.4x9.3 / 21.8x16.3
Eye relief, mm	50	50

## Display

Type	AMOLED HD	AMOLED HD
Resolution, pixels	1024x768	1024x768

## Range Performance

Detection range, m	1800	1800
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## Laser Rangefinder

Safety class for laser equipment according to IEC 60825-1:2014	1	1
Wavelength, nm	905	905
Max. measuring range, m	1000	1000
Measurement accuracy, m	± 1	± 1

## Reticle

Click value, H/V, mm at 100 m	13 / 13 (on minimum magnification)	21 / 21 (on minimum magnification)
Click range, H/V, mm at 100 m	2600 / 2600	4200 / 4200
Number of preloaded reticles	10	10

## Video Recorder

Video / photo resolution, pixel	1024x768	1024x768
Video / photo format	.mp4 / .jpg	mp4 / .jpg

Built-in memory, GB	16	16
Built-in memory capacity	-	-

## Wi-Fi

Wireless Protocol	-	-
Wireless Standard	802,11 b/g	802,11 b/g
Frequency, GHz	2.4 GHz	2.4 GHz

## Environmental Characteristics

Degree of protection, IP code (IEC60529)	IPX7	IPX7
Operating temperature range, °C	-25 - +50	-25 - +50

## Connections and Compatibilities

Max. recoil power on rifled weapon (Eo), Joules	6000	6000
Shock resistance on the smooth-bore rifles, caliber	12	12
Compatible mounts	Side Mount, CZ550 Mount, Los/Dovetail Mount, MAK Adapter, Prism 14/200, Weaver QD112, Weaver U, Weaver USQD, Weaver LQD, Weaver SQD, Weaver	Side Mount, CZ550 Mount, Los/Dovetail Mount, MAK Adapter, Prism 14/200, Weaver QD112, Weaver U, Weaver USQD, Weaver LQD, Weaver SQD, Weaver
Remote control	-	-
Supported Application	Stream Vision 1, Stream Vision 2	Stream Vision 1, Stream Vision 2

## Power Supply

Output voltage, V	3.0 - 4.2	3.0 - 4.2
Battery type	Li-Ion Battery Pack IPS7	Li-Ion Battery Pack IPS7
Capacity, mAh	6400	6400 mAh
Operating time on battery pack (at t=22°C), h *	8	8



External power supply, V

Micro USB type B (5V)

Micro USB type B (5V)

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## Weight & Size

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Body material

-

-

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Dimensions, mm

347x102x76

347x102x76

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Weight, kg

0.8

0.8

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## Trade Data

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SKU (Model #)

76558

76559

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Status

-

-

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