



- 9 color palettes
- 3 display shapes
- 10 reticle shapes
- 10 zeroing profiles
- Side incline indication
- Elevation angle indication
- Stream Vision 2 support
- Stream Vision Ballistics support
- Multipoint Pulsar mounting prism
- Automatic display deactivation
- Quick-change rechargeable battery
- Shadow recording

Compact and rugged Trail 3 LRF riflescopes built are for professional hunters, forestry specialists and pest control operators. Monoblock design and multi-point Pulsar prism ensure robustness and firm mounting on rail mounts. Top quality thermal imaging combined with precise laser rangefinder and ballistic calculator offers excellent image while ensuring shooting precision.

The Pulsar **Trail 3 LRF XQ50** thermal imaging riflescope - built for short- to mid-range shooting in challenging conditions such as fog, humidity, or low-contrast environments. It delivers clear, stable images to help you spot and track targets reliably, even when visibility is limited.

The Pulsar **Trail 3 LRF XR50** thermal imaging riflescope - designed for mid- to longer-range hunting where detection and shot placement matter most. It delivers clear, crisp images at extended distances, helping hunters accurately identify and engage targets across open terrain or mixed landscapes.

### **Monoblock housing design**

Robust monoblock housing keeps the riflescope rigid under recoil and rough use, delivering reliable performance and consistent accuracy in every hunting situation.

### **Ergonomic controls**

Operate all functions effortlessly with buttons positioned close to your hand, two customizable shortcuts, and an intuitive circular encoder, so you can make adjustments quickly while staying focused on the hunt.

### **Bilateral focusing mechanism**

Adjust quickly with either hand using focusing wheels on both sides, with built-in levers that ensure a secure grip for precise and effortless focus in any hunting situation.

### **Integrated ballistic calculator**

Get precise aiming guidance with an integrated ballistic calculator that shows corrections on-screen based on your personalized ballistic profile, helping you make accurate shots at any measured distance.

### **High recoil resistance**

Handle heavy recoil without losing performance, supporting powerful calibers up to .375 H&H while remaining fully compatible with smoothbore and pneumatic firearms.

### **Recoil activated video recording**

Capture every shot automatically with recoil-activated video recording, adjustable across three sensitivity levels to match any caliber setup

### **Full HD extra crisp AMOLED screen**

Experience sharp, detailed thermal imaging on a bright Full HD 1920x1080 AMOLED microdisplay, making it easier to spot and track targets in any conditions.

### **New graphic interface**

Navigate settings quickly with an intuitive interface that ensures clear visibility and easy access to key functions. Spend less time adjusting and more time observing, tracking, and making confident decisions in the field.

### **Round-shaped PiP mode**

Focus on your target without losing situational awareness with the round-shaped Picture-in-Picture mode. Zoom in on the reticle area while keeping the surrounding field of view visible for confident tracking.

### **Built-in laser rangefinder**

Measure distances quickly and accurately up to 1200 m with a powerful laser rangefinder. Switch between scanning and single-shot modes to assess range instantly and plan your next move with confidence.

SPECIFICATIONS	TRAIL 3 LRF XQ50	TRAIL 3 LRF XR50
<b>SENSOR</b>		
Sensor Type	uncooled 384 x 288 pix@17 μm	uncooled 640 x 480 pix@12 μm
Sensor NETD, mK	<25	<30
System NETD, mK	<15	<18
Frame Refresh Rate, Hz	50	50
<b>RETICLE</b>		
Click range, H/V, mm at 100m	1800/1800	2200/2200
Click value, H/V, mm at 100m	9.1- 3.5x, 4.5-7x, 2.3-14x	10.7-3x, 5.3- 6x, 2.7-12x, 1.3-24x
<b>OPTICAL SPECIFICATIONS</b>		
Magnification (x)	3.5 – 14	3 – 24
Lens System	F50/1.0	F50/1.0
Field of view (H x V)	7.5°	8.8°
Eye Relief, mm	50	50
Diopter adjustment, D	-5/5	-5/5
Detection Distance, m	1800	2300
<b>DISPLAY</b>		
Type	AMOLED	AMOLED
Resolution, pixels	1920x1080	1920x1080
<b>VIDEO RECORDER</b>		
Video / Photo Resolution, pixels	1440x1080	1440x1080
Video / Photo Format	.mp4/.jpg	.mp4/.jpg
Built-In Memory Capacity	64 GB	64 GB
<b>LASER RANGEFINDER</b>		
Wavelength, nm	905	905
Max. Measurement Range, m	1200	1200
Measurement Accuracy, m	1	1
<b>CONNECTIONS AND COMPATIBILITIES</b>		
Compatible Pulsar mounts	Weaver N, SQD, LQD	Weaver N, SQD, LQD
Shock resistance on the smooth-bore rifles, caliber	12	12
Max. recoil power on rifled weapon (Eo), Joules	6000	6000
<b>OPERATIONAL SPECIFICATIONS</b>		
Battery Type	LPS7i Li-ion Battery Pack	LPS7i Li-ion Battery Pack
Capacity, mAh	6400	6400
Power Supply, V	DC 3.7 (removable)	DC 3.7 (removable)
External Power Supply, V	5 V, 9 V (USB Type-C Power Delivery)	5 V, 9 V (USB Type-C Power Delivery)
Battery Life at 22°C, hrs	12	11
Environmental Rating	IP67	IP67
Operating Temperature	-25°C to +50°C	-25°C to +50°C
Dimensions, mm	271 x 86 x 71	271 x 86 x 71
Weight, kg	0.87	0.87

### Standard Accessories:

LPS7i rechargeable Battery Pack, Power Adaptor, USB Type-C cable with USB Type-A adapter, Soft Carrying Case, Lens-cleaning Cloth

### Optional Accessories:

Hard Storage Case, Anti-Fog Lens Cleaning Kit