

AYA TS100



Thermal Monocular

#ThermalSights



NEW GENERATION
HIGH THERMAL PERFORMANCE
LIGHT & ERGONOMIC
RUGGED DESIGN

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AYA TS100

Thermal Monocular

The AYA TS100 is a high-resolution uncooled thermal imaging system designed to integrate seamlessly with standard day sights, providing immediate nocturnal capability without affecting zero. Featuring a high-resolution OLED display and multiple viewing modes—including white hot, black hot, and five distinct color palettes—the system ensures optimal target detection across diverse environmental conditions. Engineered for rapid situational awareness, its athermalized focus and user-friendly menu allow for consistent performance in high-tempo operations.

A platform-agnostic thermal clip-on solution that converts existing day-sight-equipped weapons into powerful 24/7 engagement systems. With mission-critical options such as an integrated bullet counter and incline meter, the TS100 provides a sophisticated ballistic edge while maintaining full compliance with rigorous military standards.

General Specifications

Advanced Optical Intelligence: Features a high-resolution OLED display with adjustable contrast/brightness and five specialized color palettes for superior target discrimination.

Tactical Integration: Designed for direct mounting to day sights; offers optional wireless head-up display support and video/data cable interfaces for enhanced data management.

Field Durability: Fully compliant with MIL-STD-810G specifications, ensuring operational reliability and environmental resilience in the most demanding combat scenarios.

Technical Specifications

• Detector	: 320 x 240, 12 µm Uncooled Micro Bolometer
• Detector Resolution	: < 50 mK
• Field of View (FOV)	: 12,2° x 9,2°
• Electronic Zoom	: 4x (Continuous)
• OLED	: 1024 x 768 Color OLED
• Operation Time	: <4 hours
• Dimensions	: 120 x 60 x 60 mm Max
• Weight	: <290 g



Specifications are subject to change without any notice. | All tolerances are within ±10%.



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