Aurogon Series | Intelligent Day/Night RifleScope

S200 3-12X

AMZS

LEADER IN INTELLIGENT RIFLESCOPE

AMZS Technologies • Aurogon Series • S200 3-12X • www.amzstech.com

AMZS

About AMZS

Relying on technical accumulation for multi-sensor information fusion, deep learning, neural network optimization, high-performance embedded computing platform (software and hardware), as well as the outstanding R&D and manufacturing capacity in the field of precise optical and electromechanical instruments, AMZS has developed a series of world leading defense products, such as intelligent fire-control system for small arms, and intelligence assisted piloting system for helicopter and other intelligent products.

The intelligent fire-control system of AMZS for small arms can recognize, lock and track ground and air stationary and moving targets, and predict precise aiming area to guide shooting according to target movement characteristics and environmental parameters, enabling shooter to have the first round hit ability without training. The intelligent fire-control system raises the striking efficiency of small arms to an unprecedented level.

Our Advantages

Comprehensive and Independent R&D Capabilities
The leading R&D team has independently and successfully developed divers kinds of intelligent weapons and equipments.

Advanced AI Algorithm
AMZS develops advanced AI algorithm to surpass the capabilities of traditional algorithm regarding scenario fitness, accuracies and precision.

Strong capabilities of industrialization
AMZS is able to achieve industrialization of the complicated AI algorithm in the edge-end devices under the scenarios of low power consumption, small size and harsh military uses.

Chip Designing
Full capabilities of high-performance AI chip design.
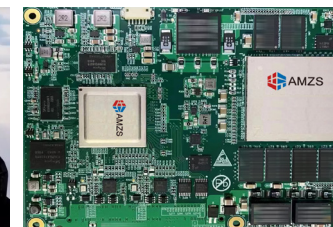
Core Technologies

AI Algorithm
AMZS develops various types of AI algorithm and complete software system for the military ATR applications based on different types of sensors such as photoelectricity (visible light, shimmer, infra-red), laser radar, millimeter wave radar, phased array radar, etc. The ultimate objective is to enable the aircrafts to perform blind landing and obstacle avoidance; to let the optical scope automatically recognize, track and lock targets and other aspects.

Embedded Intelligent Calculating Platform
AMZS completely and independently designs and develops the embedded computing platform specified for AI algorithm execution, and also independently develops integrated software system.
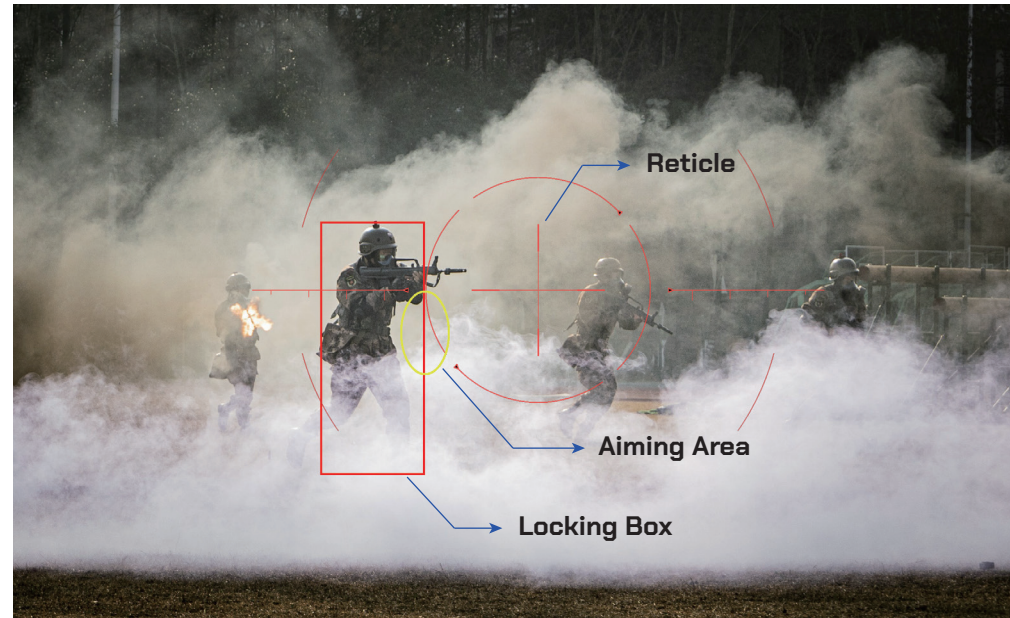
The platform can be widely applied in the industries of national defense, auto-pilot, intelligent robots, which can achieve highly-intensive calculating and acceleration of deep learning neural network algorithm. This platform has noticeable advantages of high performance, low power comsumption and great extensibility.

Unparalleled and Highly-Intelligent Riflescope

Aurogon S200 is a highly-intelligent new type riflescope. By using innovative cutting-edge AI technologies, high-speed intelligent computing platform, the scope integrated with laser ranger and environmental sensors can recognize, lock and track the targets. It can also conduct ballistic calculation according to more than ten parameters including the range, moving speed and direction of the locked target, pressure, temperature, etc. Simultaneously, it displays the aiming area in the eye piece.

Aurogon S200 guarantees shooters first-round hit on static and moving targets which boosts the hitting proficiency of small weapons to an unprecedented level.

■ Recognize, lock and track static and moving targets including drone, personnel, paper target and other types in real-time.

■ With the abilities of environment awareness and precise ranging, and integrated with powerful intelligent fire-control computer, Aurogon S200 ensures real-time and accurate ballistic calculation to the locked target and displays aiming area in the eye piece.
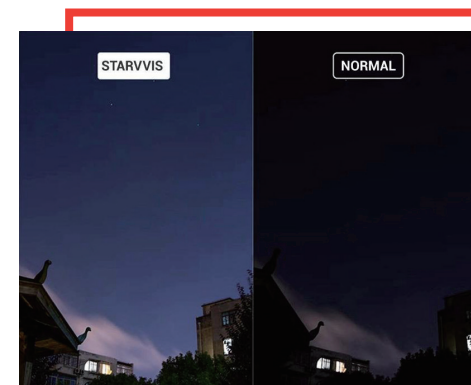
01
Unprecedented Intelligence

Operation Interface with Display & Control Functions

The innovative operation interface with display and control functions has made the shooting process unprecedentedly easy and convenient.
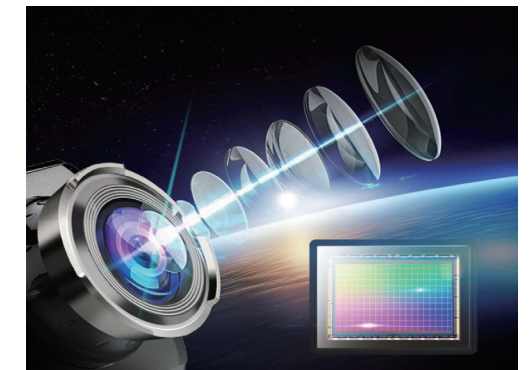

Night Vision Mode

With Ultra HD 4K Starvision sensor, Aurogon S200 provides an intensified HD Night Vision mode which keeps the targets in the darkness nowhere to hide.

02
Excellent Optical & Digital Combination

Ultra HD 4K Imaging Sensor

Combined with the most advanced optical system, the ultra-high definition 4K image sensor presents any detail in the field of vision with unparalleled clarity.

Video Streaming & Recording at 1080P Resolution

Every important moment during the shooting process is recorded in the form of 1080P HD Videos and saved simultaneously.

Recoil Activated Video

Aurogon S200 automatically starts video recording the moment a shot is made, which ensures every shooting moment is recorded.

Easy to Mount

Aurogon S200 adopts standard support, and can be mounted on Standard Picatinny Rail.

03
Powerful Practicability

Technical Specifications

Model	Aurogon S200
AI Recognition Range	≥ 600m
Fire Control System	Yes
Magnification	3-12X
Imaging Mode	Day/Night
Sensor Resolution	3840×2160
OLED Micro Display	1920×1080
Field of View 1000 Yards	460 feet (8.7°)
Eye Relief	50mm
Diopter Adjustment	-5SD ~ +5SD
Focusing Range	10m ~ ∞
Reticles	1. Adjustment Range: ≥ ±20mil
	2. Four Color Options: (Black/ White/Red/ Green)
	3. Adjustment Precision: ≤ 0.25mil
Photos&Videos	Yes
Laser Ranging	Yes
3D Gyroscope & 3D Accelerometer	Yes
E -Compass	Yes
Environmental Sensor	Temperature/Pressure
Memory	64GB
WIFI	Yes
Bluetooth	Yes
USB	Type-C, Power Supply and Charging, Internal Memory Reading
Battery	21700 Battery （Integrated)
Battery Life	6H
Weight	1.1kg
Mounting	Standard Picatinny Rail
Operating Temperature	Working: -40℃ ~ +55℃
	Storage: -55℃ ~ +70℃