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AMZS Technologies • Aurogon Series • D200 4-16X • [www.amzstech.com](http://www.amzstech.com)

# Aurogon Series

Intelligent Day/Night  
RifleScope

## D200 4-16X



## 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 diverse kinds of intelligent weapons and equipments.



### Advanced AI Algorithm

AMZS adopts 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

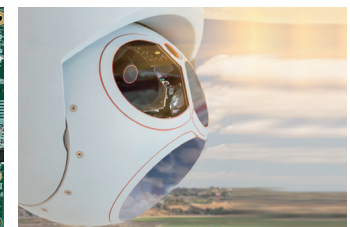
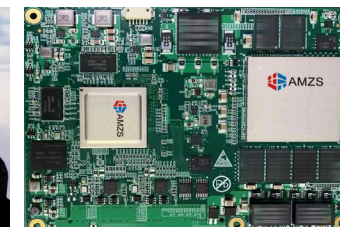
### AI Algorithm

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.

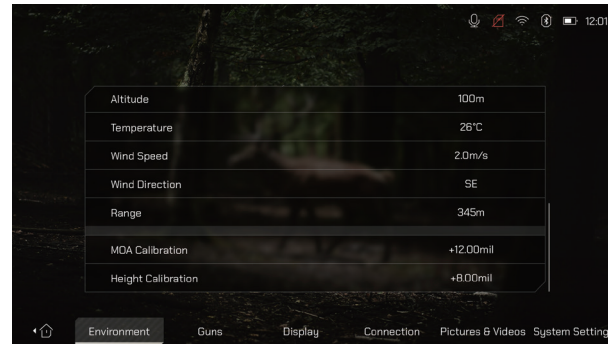
The platform can be widely applied in the industries of national defense, auto-pilot, intelligent robots, which can achieve highly-intensive calculating and the computing and acceleration of deep learning neural network algorithm. This platform has noticeable advantages of powerful calculating, low power consumption and great extensibility.





## Operation Interface with Display and Control Functions

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



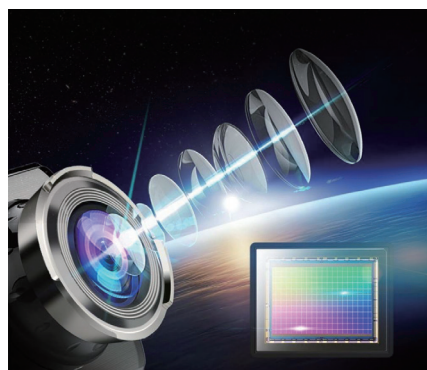
## PIP Mode

In the PIP mode, the reticle area is magnified two times and displayed in the form of small widget. This mode enables shooter to clearly master the actual impact point without affecting the environmental awareness.



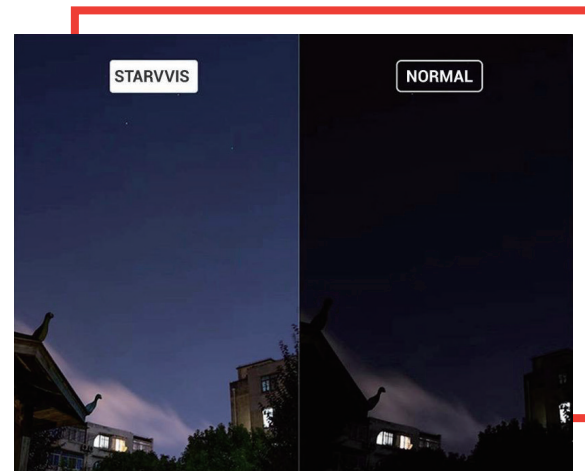
## Ultra HD 4K Imaging Sensor

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.



## Night Vision Mode

With Ultra HD 4K Starvision sensor, Aurogon D200 provides an intensified HD Night Vision mode which keeps your targets in the darkness nowhere to hide.



# 01

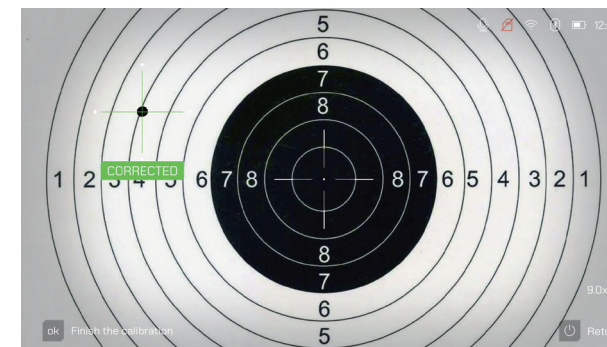
## Excellent Optical & Digital Combination

# 02

## Powerful Practicability

## One Shot Zero

The scope is zeroed simply after one shot, and the reticle will be adjusted to its correct position automatically.



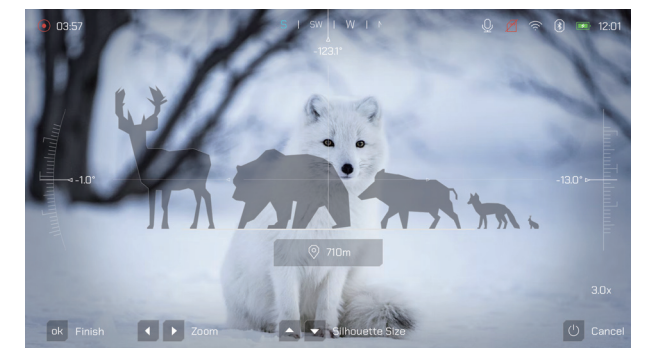
## Recoil Activated Video

Aurogon D200 automatically starts video recording the moment a shot is made, which ensures every precious moment is recorded.



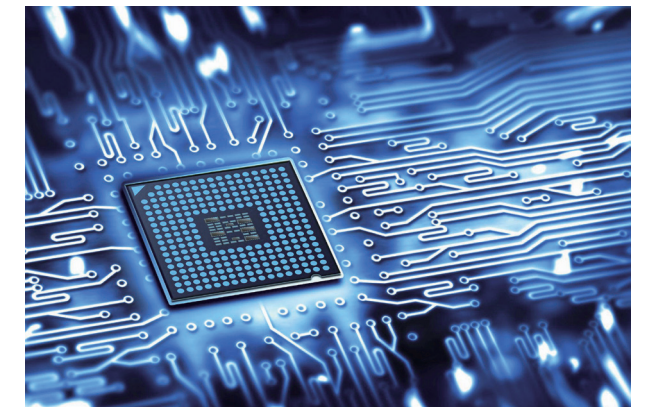
## Rough Ranging

The target distance can be quickly estimated by comparing the target type silhouettes.



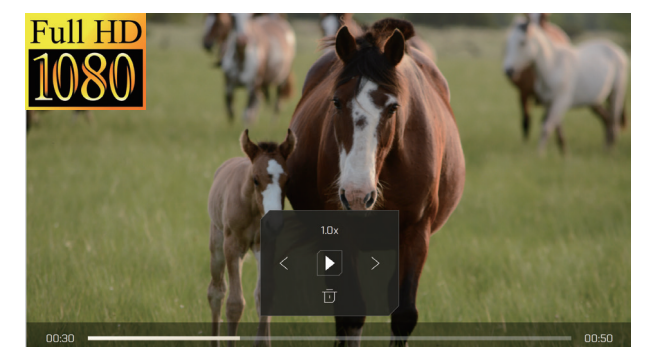
## Ballistic Computer

Each ballistic trajectory is calculated precisely by referring to various environmental factors, target range, bullet profiles and other shooting variables, ensuring target hitting.



## Video Streaming and Recording at 1080P Resolution

Every precious moment during the shooting process is recorded in the form of 1080P HD Videos and saved in your SD card simultaneously.



## Ultra Low Power Consumption

Over 12 hours' battery life enables a shooter to only focus on the shooting all day with undivided attention.



## Classical Ergonomics

Classical and aesthetic design perfectly combines conventional appearance with modern digital technologies.



# 03

Born for Shooting

## Recoil Resistant

By using the scientific components layout and solid materials, Aurogon D200 can withstand the recoil of large-caliber guns.



## Highly Dustproof & Waterproof

The IP 67 dustproof and waterproof ratings assure the scope to keep clear and sharp imaging in any shooting environment.



## Easy to Mount

The scope adopts a 30 mm caliber tube. It's compatible with various standard rings and can be mounted on different types of guns easily.



## Technical Specifications

Model	Aurogon D200
Identification Range	≥1000m
Magnification	4.0X~16.0X
Imaging Mode	Day/Night
Field of View 1000 Yards	360 feet [7°]
Eye Relief	60mm
Diopter Adjustment	-5SD~+5SD
Sensor Resolution	3840×2160
OLED Micro Display	1920×1080 @ 30 fps
System Resolution	500 lp/mm
Rough Ranging	Yes
Ballistic Calculator	Yes
Intelligent MIL-Dot Reticle	Yes
Intelligent Mil Dot Value Range	1.0-5.0
One Shot Zeroing	Yes
Dual Stream Video	Yes
PIP	Yes
RAV (Recoil Activated Video)	Yes
Photos & Videos	Yes
Video Highlights	Yes
Reticles	Multiple Patterns and Colors
Smooth Zoom	Yes
WIFI	Yes
Bluetooth	Yes
USB	Type-C
3D Gyroscope & 3D Accelerometer	Yes
E-Compass	Yes
IR Illuminator	Yes
Microphone	Yes
Battery	21700 Internal Battery
Battery Life	12h
Memory	64GB
Compatible Mount	30mm Standard Ring
Tube Caliber	30 mm
Dimensions (body only)	366*62*58 mm
Weight	920g
IP Rating	IP67
Operating Temperature	-20°C~+50°C
Warranty	1 year