

CONOTECH

Precision without compromise

NEW

AVATA

Thermal Clip-on



Avata 635 / Avata 650 / Avata 650LIIR

<20mK
NETD

Highly sensitive thermal imaging sensor

Equipped with a highly sensitive thermal imaging sensor, Avata excels in delivering exceptional detail recognition, even in environments with low thermal contrast such as snow, dust, smoke, fog, and haze. This capability ensures reliable performance across a range of atmospheric conditions, making it an indispensable tool for professional use.



LIIR

LIIR

The world's first rangefinder in a lens!
Patent NO. 202023103202

LIIR, an exclusive patented design by CONOTECH. It ensures perfect alignment of the laser and infrared axes, offering superior precision and reliability in operation.



Ultra-light, ultra-compact

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The compact and lightweight design provides easier portability, balance and accuracy of the rifle, and comfort when hunting.



7000J high shock resistance

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Recoil rated up to .223 Rem, .234 Win, .270 Win, .308 Win, .30-06 SPRG, 9.3x62, .300 Win Mag.



0.67 MOA

0.67 MOA accuracy

Avata is equipped with advanced optical design and thermal alignment software, ensuring it delivers exceptional accuracy and superior performance across various applications.





Controller design for quick operation

The controller is engineered for quick operation, accommodating both left and right-handed users with its ergonomic design.



Three-position switch

The three-position switch offers a visible and tactile response for rapid and intuitive handling, ensuring efficient operation.



No rezeroing required and quickly mounted

Quickly mounted in front of your day scope to provide enhanced thermal capabilities without having to re-zero your daylight scope.



Remote control

Avata can be controlled via a remote control, which is designed to be worn on the hand for convenient and practical operation.



Easy charging

Battery compartment can function separately as a charger.



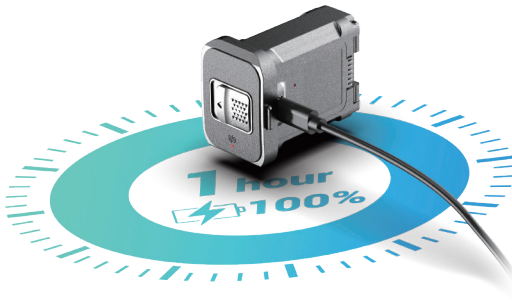
Quick charging

Experience rapid power with our quick charge feature - get 100% charged in just 1 hour.



Support only 1 battery

The battery compartment supports charging for two batteries, but the device can also function efficiently with just one battery without compromising performance.



Built-in audio & video recording



64GB



Audio



Video



Photo



Firmware update via APP



Avata Specification

Model	Avata 635	Avata 650	Avata 650LIIR
Main Characteristics			
Detector	Uncooled Vox		
Resolution	640×512		
Frame rate	50HZ		
Pixel	12μm		
Spectral range	8-14μm		
NETD	<20mK		
Optical Characteristics			
Objective lens	35mm	50mm	
Magnification	1×		
FOV(H×V), m @100m	22 × 17.5	15.4 × 12.3	
Close-up range	2m		
Functions			
Palettes	4		
Audio recording	YES		
Firmware update via APP	YES		
Photo/Video	YES		
Display			
Type	OLED		
Resolution	1024×768		
Built-in memory	64G		
Power Supply			
Battery	2×18500		
External power supply	5V USB-C		
Operating time (at t=22°C)	7h		
Physical Characteristics			
Weight (without external battery)	450g	450g	460g
Dimension	67×70×145mm	67×70×147mm	
Environmental Compatibility			
Ingress protection rating	IP67		
Operating temperature	-20°C~+50°C		
Storage temperature	-40°C~+70°C		
Shock resistance	7000J		
Laser Rangefinder (Only available in 650LIIR)			
Safety class for laser equipment according to IEC 60825-1:2014	/		1
Measuring range	/		5-1200m
Measurement accuracy	/		±1m

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