

CONOTECH

Precision without compromise

NEW

AQUILA

THERMAL IMAGING MONOCULAR



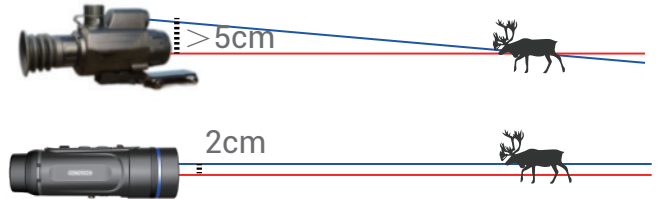
► One hand operation

Featuring finger wheel focusing, the device enables the pinnacle of one-handed operation. Very user-friendly for both left and right-handed users.

► LIIR

CONOTECH LIIR technology is patented, 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.



► Quick focusing (only for LIIR series)

The monocular has an integrated fin lever for quick and precise focusing at the 70 m (76 yd) .



► Comfortable for spectacle wearers

The device comes with an eyepiece adjustment mechanism, making it more user-friendly for those who wear glasses.



► Dual FOV field

Dual FOV lens (19/38mm, 25/50mm), a wide FOV for detection and a narrow FOV for identification. Sharp picture quality with only one-time focus.



► Highly sensitive thermal sensor

Highly sensitive thermal imaging sensor with NETD <25mK ensures stunning thermal image quality and perfect detail recognition even in the hardest weather conditions.



► Super long operating time

Built-in battery plus external battery for 10 operating hours.

► Easy charging

Battery compartment can function separately as a charger.

► Non-stop operation

The external battery can be replaced without interrupting the device's functionality, ensuring continuous performance.



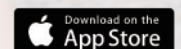
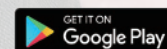
► Quick charge

Experience rapid power with our quick charge feature—get to 90% in just one hour.

► Built-in audio and video



► Firmware update via APP



AQUILA Family



Aquila Specification

Model	Aquila 325	Aquila 335	Aquila 3D 19/38	Aquila 3D 25/50	Aquila 350LIIR	Aquila 625	Aquila 635	Aquila 6D 19/38	Aquila 6D 25/50	Aquila 650LIIR
Main Characteristics										
Detector	Uncooled Vox									
Resolution	384x288					640x512				
Frame rate	50HZ									
Pixel	12 μ m									
Spectral range	8-14 μ m									
NETD	<25mK									
Optical Characteristics										
Objective lens	25mm	35mm	19mm/38mm	25mm/50mm	50mm	25mm	35mm	19mm/38mm	25mm/50mm	50mm
Magnification	2.4x	3.3x	1.8x-3.7x	2.4x-4.8x	4.8x	1.4x	1.9x	1.0x-2.0x	1.4x-2.7x	2.7x
FOV(HxV), m @100m	18.4x13.8	13x9.9	12.1x9.1 / 24.3x18.2	9.2x6.9 / 18.4x13.8	9.2x6.9	30.7x24.6	22x17.5	20.2x16.2 / 40.4x32.3	30.7x24.6 / 15.35x12.3	15.35 x12.3
Close-up range	2m									
Dioptre adjustment	\pm 5D									
Functions										
Smooth zoom	2.4x-10x	3.3x-13.8x	1.8x-7.5x / 3.7x-15.4x	2.4x-10x / 4.8x-20x	4.8x-20x	1.4x-7.3x	1.9x-10x	1.0x-5.2x / 2.0x-10.4x	1.4x-7.3x / 2.7x-14x	2.7x-14x
Palettes	8									
Audio recording	YES									
Firmware update via APP	YES									
Photo/Video	YES									
Display										
Type	OLED									
Resolution	1024x768									
External video	WIFI									
Built-in memory	32GB									
Power Supply										
Battery	Dual Battery									
External power supply	5V USB-C									
Operating time (at t=22°C)	10h									
Physical Characteristics										
Weight (without external battery)	\leq 540g	\leq 540g	\leq 570g	\leq 600g	\leq 560g	\leq 540g	\leq 540g	\leq 570g	\leq 600g	\leq 560g
Dimension	\leq ϕ 61x179mm	\leq ϕ 61x179mm	\leq ϕ 61x205mm	\leq ϕ 61x205mm	\leq ϕ 61x193mm	\leq ϕ 61x179mm	\leq ϕ 61x179mm	\leq ϕ 61x205mm	\leq ϕ 61x205mm	\leq ϕ 61x193mm
Environmental Compatibility										
Ingress protection rating	IP67									
Operating temperature	-20°C ~ +50°C									
Storage temperature	-40°C ~ +70°C									
Laser Rangefinder (Only available in Aquila 350LIIR and 650LIIR)										
Safety class for laser equipment according to IEC 60825-1:2014	/				1	/				1
Measuring range	/				5-1200m	/				5-1200m
Measurement accuracy	/				\pm 1m	/				\pm 1m

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