

PRODUCT TECH SHEET



SCAN FOR VIDEO

MODEL	STELLAR SH35 3.0			 HIKMICRO				
STYLE	Thermal Scope (3.0 Series)							
RELEASE	Nov 2024	RRP	\$3,499					
								
					DIMENSIONS			
					LENGTH	410mm (16.2")		
					WIDTH	85mm (3.4")		
					HEIGHT	70mm (2.8")		
					WEIGHT	800g (excl batt)		
					PROTECTION			
IP67 (dust and water resistant to 1m for 30 minutes.)								
POWER								
2 x (Internal) Lithium Batteries 1 x (External) 18650 Li-ion Battery								

SUMMARY

The **HikMicro STELLAR SH35 3.0 Thermal Scope** offers the finest in thermal scope design, boasting a high-performance 384 × 288 @12µm thermal detector, delivering superior sensitivity (NETD <15mK) and enhanced image clarity with the advanced *HikMicro Shutterless Imaging System* – under day or night conditions.

Equipped with a 35mm lens that gives excellent spotting capabilities up to 1800m and an identification range of around 450m, the **STELLAR SH35 3.0** offers a wide 13.1m x 10.0m field of view at 100m which makes long-distance targeting effortless.

With a colossal 9-hour battery life using its two internal lithium batteries and one external 18650 Li-ion battery, the **SH35** delivers exceptional advantages to hunters on extended field adventures, all helping to power it's industry-leading 1.03" 2560 x 2560 OLED viewing screen.

The **STELLAR SH35 3.0 Thermal Scope** is perfect for field and forest hunting.

KEY FEATURES

- 384 × 288 resolution @12µm thermal detector for amazing thermal detail.
- Ultra-high sensitivity thermal module NETD <15mK (@25°C, F# = 1.0), ensuring perfect image quality and detail recognition even in the toughest weather conditions.
- 35mm, F1.0 lens with a wide field of view and detection range up to 1800m.
- 2560 × 2560 resolution 1.03-inch OLED visual scope display for excellent clarity.
- Two rechargeable internal Li-ion batteries and a single 18650 external Li-ion battery, providing up to nine (9) hours of continuous operation.
- High shock resistance, up to 1000g/0.4ms.
- The perfect scope for field or forest shooting where wider view and distance are paramount.
- 3 Year *HikMicro Warranty* for peace of mind.
- **NOTE:** This HikMicro device connects to the HikMicro SIGHT App for enhanced functionality.

TECHNICAL DETAILS

[3 Year Warranty]

THERMAL SENSOR:

Image Sensor
Maximum Resolution (Thermal)
Frame Rate
Pixel Interval
Response Waveband
NETD
Lens (Focal Length)
Focus Mode
Detection Range
Minimum Focusing Distance
Magnification
Field of View (HxV), Degrees/m @100m

VOx Uncooled Focal Plane Arrays
384 x 288
50Hz
12µm
8µm to 14µm
Less than 15mK (@25°C), F# = 1.0
35mm, F1.0
Focus Ring
1800m
5m
4.2× to 24.2× (Supports 1x Step Value for Continuous Zooming)
7.5° × 5.7°/13.1m × 10.0m

IMAGE DISPLAY:

Display
FFC (Flat Field Correction) Mode
Palettes
Exit Pupil
Eye Relief
Diopter (Range)
Brightness Adjustment
Tone Adjustment
Contrast Adjustment
Image Pro 2.0
HSIS (HiMicro Shutterless Image System)
Zoom Pro

2560 × 2560, 1.03-inch OLED
Auto, Manual, External Correction
Black Hot; White Hot; Red Hot; Fusion; Red Mono; Green Mono
6mm
45mm
-5 D to +3 D
Yes
Cold, Warm
Yes
Yes
Yes
Yes

SYSTEM:

Capture Snapshot
Audio Recording
Video Recording
Recoil-Activated Recording
Storage
Picture in Picture (PiP)
Hotspot
Hot Track
Distance Measurement
Zeroing Profiles
Freeze Zeroing
Maximum Recoil
Standby Mode
Ballistic Calculation

Yes
Yes
On-board Video Recording
Yes
Built-in EMMC (64GB)
Yes
Yes
Yes
Yes (Stadiametric, no Laser installed)
Five (5)
Yes
1000g / 0.4ms
Yes
Yes

POWER SUPPLY:

Battery Type

Battery Operating Time
Type-C Power Supply

Two fixed, rechargeable Lithium batteries (internal),
One replaceable and rechargeable 18650 battery (external)
Nine hours continuous running (@25°C)
DC 5V/2A, USB Type-C interface, Supports QC3.0
** Only the built-in batteries will be charged via the type-C cable.
Use the battery charger to charge the external battery*

GENERAL:

Mounting
Protection Level
Dimensions
Weight
Working Temperature
Protection Level
Centre Height (for Scope Mounting)

Standard 30mm
IP67 (dustproof, waterproof to 1m for 30 minutes)
410 mm × 85 mm × 69.4 mm
800 g without external battery; 845g with battery installed
-30°C to +55°C
IP67
36mm

SECTION FOR HOLE PUNCHES

