



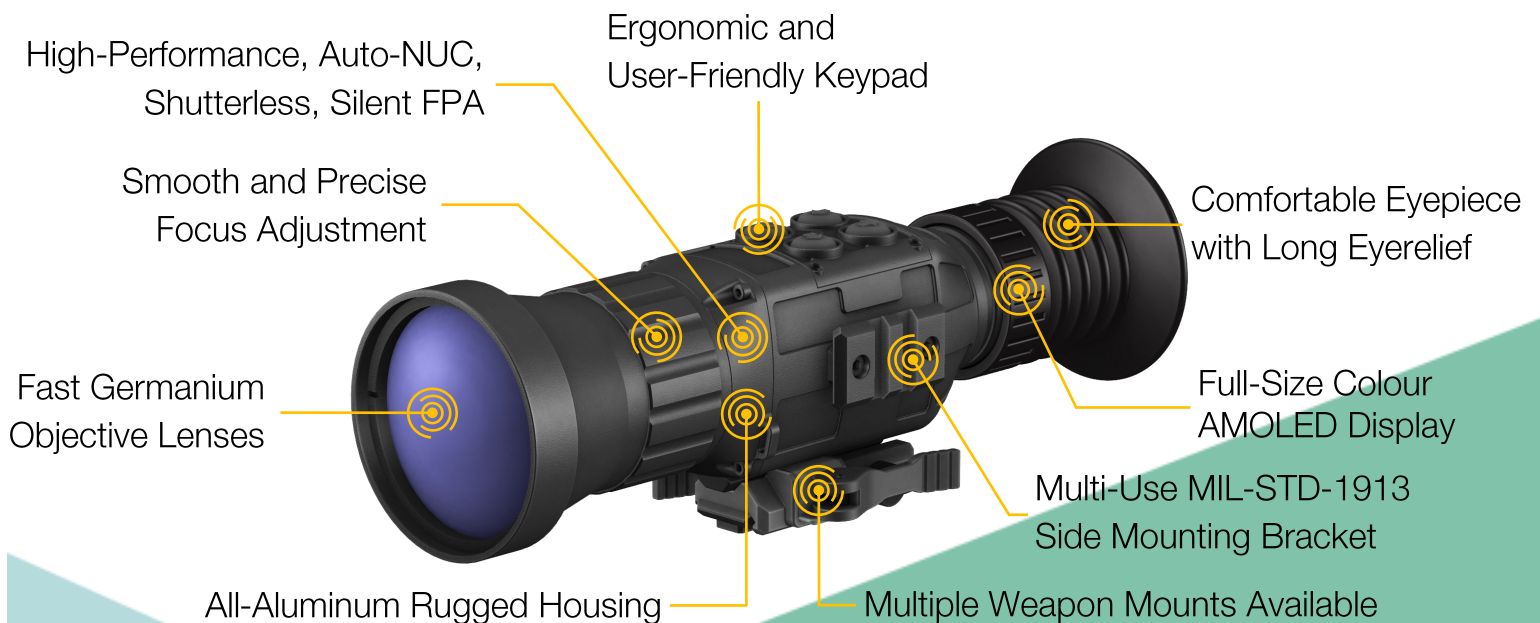
NIGHTOPTIX™

Scotopia- Tactical Thermal Rifle Scope

A professional-grade thermal weapon sight for aiming and engagement on a wide variety of firearms at short, medium and long-range distances. Ideal for both small, large-size caliber rifles, machine guns, whether single or repetitive shooting. It is also a great tool for reconnaissance and tactical surveillance.

The latest generation silent and Auto-NUC sensor is at its core. Proprietary hardware and software solutions are built around the sensor and offer exceptional image quality along with unique tools for added tactical advantage and user safety.

Fully dust and waterproof, it meets and exceeds modern standards. Specifically designed for both professional users and also firearms enthusiasts. It is a robust, reliable tool for long-term, intensive use in any environment, in any lighting or weather conditions.





NIGHTOPTIX™

Scotopia- Tactical Thermal Rifle Scope

TECHNICAL DATA

	335	635
Optical Magnification	2.1X	1.4X
Objective Lens	35mm, f/1.0	
Field of View	10.6°x8.0°	17.7°x13.3°
Focusing Range	0.5m .. Infinity	
Diopter Adjustment Range	-6 .. +4	
Eyerelief	80mm	
FPA Resolution and Pitch	384x288, 17µm	640x480, 17µm
FPA Type	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)	
FPA Sensitivity	<60mK	
FPA Refresh Rate	50Hz	
Digital Zoom	1X, 2X, 4X	1X, 2X, 4X, 8X
Internal Display	Full Size: 0.6 Inch, AMOLED, Colour, 800x600	
Imaging Modes	1 Monochrome (Black-Hot / White-Hot), 1 Enhanced, 7 Colour Palettes	
Shock Sensor	Yes: Shot-Initiated FOV Increase Feature (Optional)	
High Dynamic Range	Yes (Optional)	
Digital Detail Enhancement	Yes (Optional)	
Electronic Reticles	Yes: 8+8 patterns	
Video Recorder	Optional: External with SD Card	
Detection Man (1.7x0.5m) / Vehicle (2.3x2.3m)	1160m / 1570m	
Accepted Batteries	2 (two) CR123 of Any Type: Lithium, Ni-MH, Alkaline, etc.	
Universal Port	Yes: Video-Out and External Power (4VDC .. 15VDC)	
Battery Life	Up to 7 Hours	
Environmental Protection	IP66 or Better (Optional)	
Dimensions and Weight	158 x 60 x 59 mm , 450 grams	
Operating Temperature	-40°C .. +50°C	
Warranty	5 Years, Limited	
Export	Available Worldwide	**Export Permit required. Nightoptix can assist in obtaining the required permit



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Scotopia- Tactical Thermal Rifle Scope

TECHNICAL DATA		
	350	650
Optical Magnification	3X	2X
Objective Lens	50mm, f/1.3	
Field of View	7.5°x5.6°	12.4°x9.3°
Focusing Range	1.5m .. Infinity	
Diopter Adjustment Range	-6 .. +4	
Eyereief	80mm	
FPA Resolution and Pitch	384x288, 17µm	640x480, 17µm
FPA Type	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)	
FPA Sensitivity	<60mK	
FPA Refresh Rate	50Hz	
Digital Zoom	1X, 2X, 4X	1X, 2X, 4X, 8X
Internal Display	Full Size: 0.6 Inch, AMOLED, Colour, 800x600	
Imaging Modes	1 Monochrome (Black-Hot / White-Hot), 1 Enhanced, 7 Colour Palettes	
Shock Sensor	Yes: Shot-Initiated FOV Increase Feature (Optional)	
High Dynamic Range	Yes (Optional)	
Digital Detail Enhancement	Yes (Optional)	
Electronic Reticles	Yes: 8+8 patterns	
Video Recorder	Optional: External with SD Card	
Detection Man (1.7x0.5m) / Vehicle (2.3x2.3m)	1660m / 2250m	
Accepted Batteries	2 (two) CR123 of Any Type: Lithium, Ni-MH, Alkaline, etc.	
Universal Port	Yes: Video-Out and External Power (4VDC .. 15VDC)	
Battery Life	Up to 7 Hours	
Environmental Protection	IP66 or Better (Optional)	
Dimensions and Weight	172 x 60 x 59 mm , 456 grams	
Operating Temperature	-40°C .. +50°C	
Warranty	5 Years, Limited	
Export	Available Worldwide	**Export Permit required. Nightoptix can assist in obtaining the required permit



NIGHTOPTIX™

Scotopia- Tactical Thermal Rifle Scope

TECHNICAL DATA

	350F	650F
Optical Magnification	3X	2X
Objective Lens	50mm, f/1.0	
Field of View	7.5°x5.6°	12.4°x9.3°
Focusing Range	1.5m .. Infinity	
Diopter Adjustment Range	-6 .. +4	
Eyerelief	80mm	
FPA Resolution and Pitch	384x288, 17µm	640x480, 17µm
FPA Type	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)	
FPA Sensitivity	<60mK	
FPA Refresh Rate	50Hz	
Digital Zoom	1X, 2X, 4X	1X, 2X, 4X, 8X
Internal Display	Full Size: 0.6 Inch, AMOLED, Colour, 800x600	
Imaging Modes	1 Monochrome (Black-Hot / White-Hot), 1 Enhanced, 7 Colour Palettes	
Shock Sensor	Yes: Shot-Initiated FOV Increase Feature (Optional)	
High Dynamic Range	Yes (Optional)	
Digital Detail Enhancement	Yes (Optional)	
Electronic Reticles	Yes: 8+8 patterns	
Video Recorder	Optional: External with SD Card	
Detection Man (1.7x0.5m) / Vehicle (2.3x2.3m)	1660m / 2250m	
Accepted Batteries	2 (two) CR123 of Any Type: Lithium, Ni-MH, Alkaline, etc.	
Universal Port	Yes: Video-Out and External Power (4VDC .. 15VDC)	
Battery Life	Up to 7 Hours	
Environmental Protection	IP66 or Better (Optional)	
Dimensions and Weight	172 x 60 x 60 mm , 472 grams	
Operating Temperature	-40°C .. +50°C	
Warranty	5 Years, Limited	
Export	Available Worldwide	**Export Permit required. Nightoptix can assist in obtaining the required permit



NIGHTOPTIX™

Scotopia- Tactical Thermal Rifle Scope

TECHNICAL DATA		
	375	675
Optical Magnification	4.5X	3X
Objective Lens	75mm, f/1.3	
Field of View	5.0°x3.7°	8.3°x6.2°
Focusing Range	3m .. Infinity	
Diopter Adjustment Range	-6 .. +4	
Eyerelief	80mm	
FPA Resolution and Pitch	384x288, 17µm	640x480, 17µm
FPA Type, Pitch	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)	
FPA Sensitivity	<60mK	
FPA Refresh Rate	50Hz	
Digital Zoom	1X, 2X, 4X	1X, 2X, 4X, 8X
Internal Display	Full Size: 0.6 Inch, AMOLED, Colour, 800x600	
Imaging Modes	1 Monochrome (Black-Hot / White-Hot), 1 Enhanced, 7 Colour Palettes	
Shock Sensor	Yes: Shot-Initiated FOV Increase Feature (Optional)	
High Dynamic Range	Yes (Optional)	
Digital Detail Enhancement	Yes (Optional)	
Electronic Reticles	Yes: 8+8 patterns	
Video Recorder	Optional: External with SD Card	
Detection Man (1.7x0.5m) / Vehicle (2.3x2.3m)	2500m / 3380m	
Accepted Batteries	2 (two) CR123 of Any Type: Lithium, Ni-MH, Alkaline, etc.	
Universal Port	Yes: Video-Out and External Power (4VDC .. 15VDC)	
Battery Life	Up to 7 Hours	
Environmental Protection	IP66 or Better (Optional)	
Dimensions and Weight	193 x 66 x 66 mm , 521 grams	
Operating Temperature	-40°C .. +50°C	
Warranty	5 Years, Limited	
Export	Available Worldwide	**Export Permit required. Nightoptix can assist in obtaining the required permit



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DISTINCTIVE FEATURES

Digital Detail Enhancement (DDE)



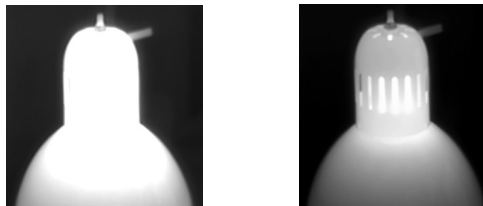
Off

Medium Level

High Level

DDE is an advanced non-linear image processing algorithm that sets the desired level of image sharpness to help better distinguish details of an object/background.

High Dynamic Range (HDR)



Off

On

HDR improves detection capabilities in challenging thermal scenes, such as hot objects on cold background, where details of the background are not distinguishable.



If firing a shot at zoom x2, Shot-Initiated Field-of-View Increase feature automatically brings the zoom to x1 to instantly increase operator's situational awareness.



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Scotopia- Tactical Thermal Rifle Scope

STANDARD EQUIPMENT: WHAT'S IN THE BOX



Main Unit
*Weapon Mount
Included **



Video-Out Cable



USB Power Cable



Soft Pouch



Hard Case

User Manual

Quick Reference Card

Warranty Form

** Low Profile Mount is standard on 35mm and 50mm models.
MAK Picatinny or BLASER mount is standard on 75mm models*