

CATALOGUE

THERMAL AND
NIGHT VISION
DEVICES
2018



THERMAL IMAGINERS

THERMAL

6, 18
Page



2.2km

STRIX

Thermal monocular

Sensor: TiO₂ 50Hz, <40mK
384x288 or 640x480
Magnification: from 2.8x to 20.8x
Waterproof: Yes
Video recording

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2.4km

STRIX PRO

Thermal monocular

Sensor: VOx, 50Hz, <50mK
384x288 or 640x480
Magnification: from 2.8x to 20.4x
Waterproof: Yes
Video recording, Wifi, E-compass, Laser
rangefinder and more

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2.6km

FORTIS

Thermal binocular

Sensor: ASI, 50Hz, <50mK
384x288 or 640x480
Magnification: from 4x to 40x
Waterproof: Yes
Video recording

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2.6km

FORTIS PRO

Thermal binocular

Sensor: ASI, 50Hz, <50mK
384x288 or 640x480
Magnification: from 4x to 40x
Waterproof: Yes
Video recording, Wifi, E-compass, GPS, Laser
rangefinder and more

THERMAL RIFLE SCOPES

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2.2km .50 BMG

LEGAT

Thermal rifle scope

Sensor: TiO₂ 50Hz, <40mK
384x288 or 640x480
Magnification: from 2.8x to 21.2x
Waterproof: Yes
Video recording

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2.4km .50 BMG

LEGAT PRO

Thermal rifle scope

Sensor: VOx, 50Hz, <50mK
384x288 or 640x480
Magnification: from 2.8x to 20.8x
Waterproof: Yes
Video recording, Wifi, E-compass, GPS, Laser
rangefinder and more

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2.6km .50 BMG

LEGAT GEN2

Thermal rifle scope

Sensor: VOx, 50Hz, <50mK
384x288 or 640x480
Magnification: from 2.5x to 20x
Waterproof: Yes
Video recording, Wifi

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2.0km .50 BMG

LEGAT COMPACT

Thermal clip-on

Sensor: VOx 50Hz, <50mK
384x288 or 640x480
Magnification: 1X
Waterproof: Yes
Video recording, Wifi

THERMAL + DAY/NIGHT IMAGINERS

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0.6km
1.3km

STRIX HYBRID

Thermal + Day/Night monocular

Sensor: TiO₂ 50Hz, <40mK
384x288 or 640x480 /
Color CCD 768x582, 50Hz
Magnification: 2.8X...11.2X
Waterproof: Yes
Video recording

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1.0km
2.0km

PANDION

Thermal + Day/Night binocular

Sensor: VOx, 50Hz, <50mK
384x288 or 640x480 /
Color CCD 768x582, 50Hz
Magnification: 6X...24X
Waterproof: Yes
Video recording, Wifi

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RIFLE MOUNTS

MAK / LM prism / Picatinny

LENSES

F1.6/80mm / F1.5/110mm
F1.6/170mm / F1.6/10-120mm

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IR ILLUMINATORS

90mW / 250mW / 2000mW

LASER RANGEFINDERS

700m / 1200m

NIGHT VISION RIFLE SCOPES

NIGHT VISION

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0.5km
.50 BMG

CORVUS D/N

Day + Night vision rifle scope

Generation: 2+ or 3
Magnification: 4X or 6X
Range of detection: 500m (0.001lux)
Waterproof: Yes
Temperature range: -50...+60°C
Internal lens focusing

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0.5km
.50 BMG

CORVUS

Night vision rifle scope

Generation: 2+ or 3
Magnification: 4X or 6X
Range of detection: 500m (0.001lux)
Waterproof: Yes
Temperature range: -30...+45°C
Internal lens focusing

NIGHT VISION MONOCULARS AND GOGGLES

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40°

NIVEX

Night vision monocular

Generation: 2+ or 3
Magnification: 1X, 3.5X or 5X
FOV: 40°
Built-in IR illuminator: Yes
Waterproof: Yes
Temperature range: -40...+50°C
Work time: 80 hours

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40°

NIVEX GOGGLES

Night vision goggles

Generation: 2+ or 3
Magnification: 1X
FOV: 40°
Built-in IR illuminator: Yes
Waterproof: Yes
Temperature range: -40...+50°C
Work time: 50 hours

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2.0km
3.0km

NIVEX L

Night vision monocular

Generation: 2+ or 3
Magnification: 9X
Range of detection: 2000m (night)
Waterproof: Yes
Temperature range: -30...+50°C
Internal lens focusing

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2.0km
3.0km

NIVEX D/N-L

Day + night vision monocular

Generation: 2+ or 3
Magnification: 9X
Range of detection: 2000m (night) / 3000m (day)
Waterproof: Yes
Temperature range: -30...+50°C
Internal lens focusing

DIGITAL NIGHT VISION BINOCULARS

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1.2km
0.8km

FORTIS NV

Digital night vision binocular

Sensor: CCD 570TV lines
Magnification: from 1X to 11X
Range of detection: 1200m / 770m (0.005lux)
Waterproof: Yes
Video recording

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1.2km
0.8km

FORTIS NV PRO

Digital night vision binocular

Sensor: CCD 570TV lines
Magnification: from 1X to 11X
Range of detection: 1200m / 770m (0.005lux)
Waterproof: Yes
Video recording, Wifi, E-compass, GPS, Laser rangefinder and more

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Page



1.5km

FORTIS NV-L

Digital night vision binocular

Sensor: CCD 570TV lines
Magnification: 1X...21X
Range of detection: 1500m
Waterproof: Yes
Video recording

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Page



2.0km

FORTIS NV-L PRO

Digital night vision binocular

Sensor: CCD 570TV lines
Magnification: 1X...33X
Range of detection: 2000m
Built-in IR illuminator: Yes (2000mW)
Waterproof: Splash-proof
Video recording, Wifi, E-compass, GPS, Laser rangefinder and more

THERMAL
NIGHT VISION
VISIBLE

THERMAL
NIGHT VISION
VISIBLE

THERMAL
NIGHT VISION
VISIBLE



HUNTING OUTDOORS



OUTDOORS



HUNTING

THERMAL

NIGHT VISION

VISIBLE



HUNTING



OUTDOORS

STRIX

Thermal monocular

It is designed for round-the-clock supervision, search and video registration of objects during regular and severe weather conditions. It has 6 color palettes, digital zoom X2 and X4, color inversion, slot for SD/microSD card with expandable memory up to 32 Gb, image adjustments.



Laser range finder (detachable)



F1.0/40mm



F1.0/54mm



F1.0/75mm

SPECIFICATIONS

PRODUCT	STX-3F40	STX-3F54	STX-3F75	STX-6F54	STX-6F75
SENSOR					
Sensor type	TiO ₂			TiO ₂	
Resolution	384x288			640x480	
Frame rate	50 Hz			50 Hz	
Thermal sensitivity	< 40 mK			< 40 mK	
Starting time	< 3 s			< 5 s	
Calibration process during operation	invisible			invisible	
OPTICAL					
Lens	F1.0/40 mm	F1.0/54 mm	F1.0/75 mm	F1.0/54 mm	F1.0/75 mm
FOV	7×9.3°	5.4×7.2°	3.7×5°	8.9×11.8°	6.2×8.2°
Magnification	2.8X...11.2X	3.8X...15.2X	5.2X...20.8X	2.3X...9.2X	3.2X...12.8X
Digital zoom	2X, 4X			2X, 4X	
Range of detection (object 1.7m x 0.5m)	1200 m	1500 m	2000 m	1600 m	2200 m
SYSTEM					
Display resolution (pixels)	OLED 800x600				
Color patterns	6				
Built in video record	Yes				
Built in memory	8 Gb				
Available memory microSD	32 Gb				
Battery type	4×AA				
Battery life	8 h				
Wifi	No				
Laser range finder	Available (detachable)				
Laser wavelength nm	905nm				
Measurement range	700m or 1200m				
Accuracy	± 1 m				
Digital magnetic compass	No				
Digital Inclinator	No				
Pitch and roll scales	No				
PHYSICAL & OPERATIONAL					
Body	Reinforced aluminium				
Waterproofness	Yes				
Level of protection	IPx6 (IP67 upon request)				
Drop	2m				
Operating temperature	-20°C...+50°C				
Dimensions mm	185×64×75	220×64×75	260×83×83	220×64×75	260×83×83
Weight kg	0,48	0,6	0,85	0,6	0,85
Warranty	2 years				

STRIX PRO

Thermal monocular



THERMAL
NIGHT VISION
VISIBLE

It is a multifunctional thermal monocular with smart options. The key advantage of the device is E-compass, video recording, microSD card up to 32 Gb, Wi-Fi, roll and pitch scales, detachable laser range finder.

SPECIFICATIONS

PRODUCT	STX-3ST40	STX-3ST54	STX-3ST75	STX-6ST54	STX-6ST75
SENSOR					
Sensor type	VOx			VOx	
Resolution	384x288			640x480	
Frame rate	50 Hz			50 Hz	
Thermal sensitivity	< 50 mK			< 50 mK	
Starting time	< 5 s			< 5 s	
Calibration process during operation	invisible			invisible	
OPTICAL					
Lens	F1.0/40 mm	F1.0/54 mm	F1.0/75 mm	F1.0/54 mm	F1.0/75 mm
FOV	7×9.3°	5.4×7.2°	3.7×5°	8.9×11.8°	6.2×8.2°
Magnification	2.8x...11.2x	3.8x...15.2x	5.1x...20.4x	2.3x...9.2x	3.2x...12.8x
Digital zoom	2X, 4X			2X, 4X	
Range of detection (object 1.7m x 0.5m)	1300 m	1700 m	2200 m	1800 m	2400 m
SYSTEM					
Display resolution (pixels)	OLED HD 1024x768				
Color patterns	6				
Built in video record	Yes				
Built in memory	8 Gb				
Available memory microSD	32 Gb				
Battery type	4×AA				
Battery life	8 h				
Wifi	Yes				
Laser range finder	Available (detachable)				
Laser wavelength nm	905nm				
Measurement range	700m or 1200m				
Accuracy	± 1 m				
Digital magnetic compass	Yes				
Digital Inclinometer	Yes				
Pitch and roll scales	Yes				
PHYSICAL & OPERATIONAL					
Body	Reinforced aluminium				
Waterproofness	Yes				
Level of protection	IPx6 (IP67 upon request)				
Drop	2m				
Operating temperature	-20°C...+50°C				
Dimensions mm	185×64×75	220×64×75	260×83×83	220×64×75	260×83×83
Weight kg	0,6	0,75	0,85	0,75	0,85
Warranty	2 years				



F1.0/40mm



F1.0/54mm



F1.0/75mm

THERMAL

NIGHT VISION

VISIBLE



HUNTING



OUTDOORS

STRIX HYBRID

Thermal + Day/Night monocular

Dual-channel monocular STRIX Hybrid is the multi-purpose device, designed for all-weather and round-the-clock search and supervision of different objects within a wide spectral range from 0.4 to 1.1 microns and from 8 to 14 microns. The application of up-to-date technologies with athermalized microbolometer as well as high-sensitive CCD camera with digital processing delivers high quality and sensitivity for TV and thermal images. The built-in CCD camera allows supervision not only at night and dusk in automatic mode, but also during rain, snowfall and fog conditions. The combination of low-light-level TV camera and thermal imager provides all-weather and round-the-clock detection, identification and registration of objects at any time and weather.

SPECIFICATIONS



F1.4/26mm

	Thermal		TV line	
PRODUCT			STXH-3F40	STX-3F40
SENSOR				
Sensor type	TiO ₂		Color CCD Day/Night	
Resolution	384x288	640x480	768x582	
Frame rate	50 Hz		50 Hz	
Pixel pitch	17 μm			
Thermal sensitivity	< 40 mK		0.0001 lux	
Spectral range	8 ... 14 μm		0.4...1 μm	
Starting time	< 3 s	< 5 s		
Calibration process during operation			1.5 s	
OPTICAL				
Lens	F1.0/40mm		F1.4/26mm	F1.8/50 mm
FOV	8-11°		15°	15°
Magnification	2.8X...11.2X		2X	3.8X
Digital zoom	2X, 4X			
Range of detection (object 1.7m x	1300m		300m (at night)	600m (at night)
SYSTEM				
Display type	OLED			
Display resolution	800x600			
Built in video record	Yes			
Built in memory, Gb	Yes			
Available memory microSD, Gb	64Gb			
Video format	.avi			
Battery type	Li-ion (2×18650)			
Battery life, hours	8 h			
Wifi	No			
Digital magnetic compass	No			
GPS	No			
PHYSICAL & OPERATIONAL				
Body	Aluminium			
Waterproofness	Yes			
Level of protection	IPX6 (IP67)			
Drop	No			
Operating temperature	-20°C to +50°C			
Dimensions, mm	123×139×55			
Weight, kg	0.46			
Warranty	2 Years			

LEGAT

Thermal rifle scope

Thermal rifle scope LEGAT combines highly ergonomic features of a hand-hold device and the convenience of weapon mounting. Based on the proven microbolometer module, the sight is a perfect product for hunters, police and special operations forces. The compact and lightweight design with IP67 standart offers exceptional mid-range detection and is designed to be one of the most versatile thermal weapon sights in the market nowadays.



Laser range finder (detachable)



F1.0/40mm



F1.0/54mm



F1.0/75mm



THERMAL

NIGHT VISION

VISIBLE

SPECIFICATIONS

PRODUCT	LGT-3F40	LGT-3F54	LGT-3F75	LGT-6F54	LGT-6F75
SENSOR					
Sensor type		TiO ₂		TiO ₂	
Resolution		384x288		640x480	
Frame rate, Hz		50 Hz		50 Hz	
Thermal sensitivity		< 40 mK		< 40 mK	
Starting time		< 3 s		< 5 s	
Calibration process during operation		invisible		invisible	
OPTICAL					
Lens	F1.0/40mm	F1.0/54mm	F1.0/75mm	F1.0/54mm	F1.0/75mm
FOV	7°x9.3°	5.4°x7.2°	3.7°x5°	8.9°x11.8°	6.2°x8.2°
Magnification	2.8x...11.2x	3.7x...14.8x	5.3x...21.2x	2.2x...8.8x	3.2x...12.8x
Digital zoom		2X, 4X		2X, 4X	
Range of detection (object 1.7m x 0.5m)	1300m	1600m	2000m	1800m	2200m
Diopter adjustment		± 5 dptr		± 5 dptr	
Eye relief		50 mm		50 mm	
USING A WEAPON					
Weapon interface		MIL-STD-1913 weaver rail			
Weapon Compatibility		0.50 BMG			
Reticles		5			
Boresight at 100m	21 mm	16 mm	11 mm	24 mm	16 mm
SYSTEM					
Display resolution		OLED HD 1024x768			
Color patterns		6			
Built in video record		No			
Built in memory, Gb		No			
Available memory microSD, Gb		No			
Battery type		4xAA			
Battery life, hours		6 hours			
Wifi		No			
Laser range finder		Available (detachable)			
Laser wavelength, nm		905nm			
Measurement range, m		700m or 1200m			
Accuracy, m		± 1 m			
Digital magnetic compass		No			
Digital Inclinator		No			
Pitch and roll scales		No			
GPS		No			
Proximity sensor		No (Manual display turn off)			
Automatic correction of bad pixels		Yes			
3 operating modes		Yes (Power saving/Regular/Auto)			
Memory presets		Yes (5)			
PHYSICAL & OPERATIONAL					
Body		Reinforced aluminium			
Waterproofness		IPX6 (IP67 available)			
Drop		2 m			
Operating temperature		-20°C ... +60°C (-50°C)			
Dimensions, mm	237x64x75	265x64x75	296x83x83	265x64x75	296x83x83
Weight, kg	0.68	0.8	0.95	0.8	0.95
Warranty		2 years			

THERMAL

NIGHT VISION

VISIBLE



LEGAT PRO

Thermal rifle scope

The LEGAT PRO is a sophisticated and advanced version of the LEGAT thermal rifle scope with additional functions and a detachable rangefinder. Two types of laser rangefinder can be offered, namely LRF700 and LRF1200. The CPU automatically identifies the type of a rangefinder and transmits it to a monitor for viewing. The LEGAT PRO has such useful functions as a digital compass, digital inclinometer and an additional mark for rangefinder.

SPECIFICATIONS

PRODUCT	LGTP-3F40	LGTP-3F54	LGTP-3F75	LGTP-6F54	LGTP-6F75
SENSOR					
Sensor type		TiO ₂		TiO ₂	
Resolution		384x288		640x480	
Frame rate, Hz		50 Hz		50 Hz	
Thermal sensitivity		< 40 mK		< 40 mK	
Starting time		< 3 s		< 5 s	
Calibration process during operation		invisible		invisible	
OPTICAL					
Lens	F1.0/40mm	F1.0/54mm	F1.0/75mm	F1.0/54mm	F1.0/75mm
FOV	7°x9.3°	5.4°x7.2°	3.7°x5°	8.9°x11.8°	6.2°x8.2°
Magnification	2.8x...11.2x	3.7x...14.8x	5.3x...21.2x	2.2x...8.8x	3.2x...12.8x
Digital zoom		2X, 4X		2X, 4X	
Range of detection (object 1.7m x 0.5m)	1300m	1700m	2200m	1800m	2400m
Diopter adjustment		± 5 dptr		± 5 dptr	
Eye relief		50 mm		50 mm	
USING A WEAPON					
Weapon interface	MIL-STD-1913 weaver rail				
Weapon Compatibility	0.50 BMG				
Reticles	5				
Boresight at 100m	21 mm	16 mm	11 mm	28 mm	19 mm
SYSTEM					
Display resolution	HD 1024x768				
Color patterns	6				
Built in video record	Yes				
Built in memory, Gb	8 Gb				
Available memory microSD, Gb	64 Gb				
Battery type	4xAA				
Battery life, hours	6 hours				
Wifi	Yes				
Laser range finder	Yes (detachable)				
Laser wavelength, nm	905nm				
Measurement range, m	700m or 1200m				
Accuracy, m	± 1 m				
Digital magnetic compass	Yes				
Digital Inclinometer	Yes				
Pitch and roll scales	Yes				
GPS	Yes				
Proximity sensor	Yes				
Automatic correction of bad pixels	Yes				
3 operating modes	Yes (Power saving/Regular/Auto)				
Memory presets	Yes (5)				
PHYSICAL & OPERATIONAL					
Body	Reinforced aluminium				
Waterproofness	IPX6 (IP67 available)				
Drop	2 m				
Operating temperature	-20°C ... +60°C (-50°C)				
Dimensions, mm	237x64x75	265x64x75	296x83x83	265x64x75	296x83x83
Weight, kg	0.68	0.8	0.95	0.8	0.95
Warranty	2 years				



F1.0/40mm



F1.0/54mm



F1.0/75mm

LEGAT GEN2

Thermal rifle scope

It is a new series of thermal weapon scopes, based on the most up-to-date digital and optical technologies. The application of HD display with 1024x768 pixels resolution, highly sensitive sensor, digital image processing and high quality optics make the scope the most cutting-edge solution in the market as of today.



THERMAL

NIGHT VISION

VISIBLE



F1.0/40mm



F1.0/54mm



F1.0/75mm

SPECIFICATIONS

Model	LGT2-3F40	LGT2-3F54	LGT2-3F75	LGT2-6F54	LGT2-6F75		
SENSOR							
Sensor type		VOx		VOx			
Resolution		384x288		640x480			
Frame rate, Hz		50 Hz		50 Hz			
Thermal sensitivity		< 50 mK		< 50 mK			
Starting time		< 5 s		< 5 s			
Calibration process during operation		invisible		invisible			
OPTICAL							
Lens	F1.0/40mm	F1.0/54mm	F1.0/75mm	F1.0/54mm	F1.0/75mm		
FOV	7°x9.3°	5.4°x7.2°	3.7°x5°	11.8°x8.9°	8.3°x6.2°		
Magnification	2.5x...10x	3.5x...12x	5x...20x	2x...8x	3x...12x		
Digital zoom		2X, 4X		2X, 4X			
Range of detection (object 1.7m x 0.5m)	1400m	1800m	2600m	1700m	2200m		
Diopter adjustment		± 5 dptr		± 5 dptr			
Eye relief		50 mm		50 mm			
USING A WEAPON							
Weapon interface		MIL-STD-1913 weaver rail					
Weapon Compatibility		0.50 BMG					
Reticles		5					
Boresight at 100m	14 mm	10 mm	8 mm	20 mm	12 mm		
SYSTEM							
Display resolution		Colored OLED 800x600		Colored OLED HD 1024x768			
Color patterns		6					
Built in video record		Yes					
Built in memory, Gb		8 Gb					
Available memory microSD, Gb		32 Gb					
Battery type		2×CR123					
Battery life, hours		5 hours					
Wifi		Yes					
Laser range finder		No					
Laser wavelength, nm		-					
Measurement range, m		-					
Accuracy, m		-					
Digital magnetic compass		No					
Digital Inclinometer		No					
Pitch and roll scales		No					
GPS		No					
Proximity sensor		No					
Automatic correction of bad pixels		No					
3 operating modes		No					
Memory presets		Yes (4)					
PHYSICAL & OPERATIONAL							
Body		Reinforced aluminium					
Level of protection		IPX6 (IP67 available)					
Drop		2 m					
Operating temperature		-20°C ... +60°C (-50°C)					
Dimensions, mm	205×66×90	220×66×90	245×66×90	220×66×90	245×66×90		
Weight, kg	0.48	0.65	0.95	0.65	0.85		
Warranty		2 years					

THERMAL

NIGHT VISION

VISIBLE



HUNTING

LEGAT COMPACT

Thermal clip-on

This device is a simple transformation of day scope into thermal one. Clip-on combines and includes such features as permanent zeroing centre point when installing, digital image displacement along X and Y axes.

SPECIFICATIONS

Model	LGT-C-3F40	LGT-C-3F54	LGT-C-6F54
SENSOR			
Sensor type	VOx		VOx
Resolution	384x288		640x480
Frame rate, Hz	50 Hz		50 Hz
Thermal sensitivity	< 40 mK		< 40 mK
Starting time	< 4 s		< 4 s
Calibration process during operation	invisible		invisible
OPTICAL			
Lens	F1.0/40 mm	F1.0/54 mm	F1.0/54 mm
FOV	7×9.3°	5.4×7.2°	9×12°
Magnification	1X	1X	1X
Digital zoom	2X, 4X		2X, 4X
Range of detection (object 1.7m x 0.5m)	1400 m	1800 m	2000 m
Diopter adjustment	± 5 dptr		± 5 dptr
Eye relief	50 mm		50 mm
USING A WEAPON			
Weapon interface	MIL-STD-1913 weaver rail Clip-on on optical scope		
Weapon Compatibility	0.50 BMG		
Reticles	-		
Boresight at 100m	Digital image displacement X/Y		
SYSTEM			
Display resolution	HD 1024x768	800x600	HD 1024x768
Color patterns	6		
Built in video record	Yes		
Built in memory, Gb	8 Gb		
Available memory microSD, Gb	32 Gb		
Battery type	2×CR123		
Battery life, hours	5h		
Wifi	Yes		
Laser range finder	No		
Laser wavelenght, nm	-		
Measurement range, m	-		
Accuracy, m	-		
Digital magnetic compass	No		
Digital Inclinometer	No		
Pitch and roll scales	No		
GPS	No		
Proximity sensor	No		
automatic shutterless core calibration	No		
3 operating modes	No		
Memory presets	No		
PHYSICAL & OPERATIONAL			
Body	Reinforced aluminium		
Level of protection	IPx6 (IP67 upon request)		
Drop	2m		
Operating temperature	-20°C...+50°C		
Dimensions, mm	160×64×75	197×64×75	220×83×83
Weight, kg	0,48	0,58	0,58
Warranty	2 years		



F1.0/54mm



F1.0/54mm

CORVUS D/N

Day + Night vision rifle scope

A new and universal round-the-clock riflescope CORVUS-D/N offers all features of the best day-and-night scope. A single optical axis for day and night channels, in-built optical compensator and precision mode switching mechanism ensure high shoot accuracy at any time.



THERMAL

NIGHT VISION

VISIBLE



CRV4X



CRV6X

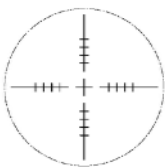
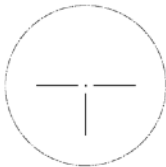
SPECIFICATIONS

PRODUCT	CRV4X-D/N	CRV6X-D/N
IMAGE INTENSIFIER TUBE		
Generation	2+ or 3	
OPTICAL		
Lens	F1.6/80 mm	F1.6/110 mm
FOV	9°	6°
Magnification	4X	6X
Range of detection - day (night)	500m (400m)	700m (500m)
Diopter adjustment	± 5 dptr	
USING A WEAPON		
Weapon interface	MIL-STD-1913 weaver rail	
Weapon Compatibility	0.50 BMG	
Shock-proofness	8000 J	
Reticles	2	
Boresight at 100m	16 mm	12 mm
SYSTEM		
Battery type	3V, 1×CR123A	
Battery life	50 h	
Built-in invisible LED 850 nm illuminator	Yes	
PHYSICAL & OPERATIONAL		
Body	Impact-proof and sealed body	
Waterproofness	Yes	
Level of protection	IPX6 (IP67 available)	
Drop	Yes	
Operating temperature	-50°C...+60°C	
Dimensions	285×100×60	315×110×96
Weight	1.2	1.55
Warranty	2 years	

Available reticles

Bird

Mill Dot



THERMAL

NIGHT VISION

VISIBLE



CORVUS

Night vision rifle scope

Night vision rifle scope CORVUS is designed for supervision and firing with different types of weapon at night. The scope offers red reticle with adjustable brightness, overexposure protection, internal lens focusing, low battery indication and universal mount. The scope body is shock-, dust-, and damp-proof.

SPECIFICATIONS

SPECIFICATIONS		
PRODUCT	CRV4X-D/N	CRV6X-D/N
IMAGE INTENSIFIER TUBE		
Generation	2+ or 3	
OPTICAL		
Lens	F1.6/80 mm	F1.6/110 mm
FOV	9°	6°
Magnification	4x	6x
Range of detection - day (night)	500m (400m)	700m (500m)
Diopter adjustment	± 5 dptr	
USING A WEAPON		
Weapon interface	MIL-STD-1913 weaver rail	
Weapon Compatibility	0.50 BMG	
Shock-proofness	8000 J	
Reticles	2	
Boresight at 100m	16 mm	12 mm
SYSTEM		
Battery type	3V, 1×CR123A	
Battery life	50 h	
Built-in invisible LED 850 nm illuminator	Yes	
PHYSICAL & OPERATIONAL		
Body	Impact-proof and sealed body	
Waterproofness	Yes	
Level of protection	IPX6 (IP67 available)	
Drop	Yes	
Operating temperature	-50°C...+60°C	
Dimensions	285×100×60	315×110×96
Weight	1.0	1.4
Warranty	3 Years	



CRV4X



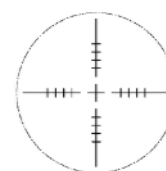
CRV6X

Available reticles

Bird



Mill Dot



NIVEX

Night vision monocular



THERMAL

NIGHT VISION

VISIBLE



NIVEX night vision monocular meets any supervision need in the darkest conditions. The device is supplied with Gen.2+ or 3 image intensifier tubes. The NIVEX can be supplied as hand-held, weapon-mounted and head-mounted type. It offers built-in invisible LED 940 nm illuminator, optional exchangeable lenses 3X and 5X, weapon-mounted Picatinny, power source with 1xAA battery or 1xCR123 battery, low battery and IR “ON” indicators. The NIVEX has waterproof design, light weight as well as high quality optics and image tube.

SPECIFICATIONS

Model	NVX1X	NVX3.5X	NVX5X
IMAGE INTENSIFIER TUBE			
Generation	2+ or 3		
OPTICAL			
Lens	F1.4/26 mm	F1.6/80 mm	F1.5/110 mm
FOV	40°	13°	9°
Magnification	1X	3.5X	5X
Dioptr adjustment	± 5 dptr	± 5 dptr	± 5 dptr
SYSTEM			
Battery type	3V, 1×CR123A		
Battery life	80 h		
Built-in invisible LED 850 nm illuminator	Included		
PHYSICAL & OPERATIONAL			
Body	Impact-proof and sealed body		
Waterproofness	Yes		
Level of protection	IPX6 (IP67)		
Drop	Yes		
Operating temperature	-40°C...+50°C		
Dimensions (length mm)	112	183	216
Weight kg.	0.37	0.6	0.8
Hand-held and weapon/head-mounted type	Yes		
Warranty	2 Years		

NVX1X



NVX3.5X



NVX5X





SECURITY SURVEILLANCE



SECURITY

THERMAL

NIGHT VISION

VISIBLE



STRIX

Thermal monocular

It is designed for round-the-clock supervision, search and video registration of objects during regular and severe weather conditions. It has 6 color palettes, digital zoom X2 and X4, color inversion, slot for SD/microSD card with expandable memory up to 32 Gb, image adjustments.



Laser range finder (detachable)



F1.0/40mm



F1.0/54mm



F1.0/75mm

SPECIFICATIONS

PRODUCT	STX-3F40	STX-3F54	STX-3F75	STX-6F54	STX-6F75
SENSOR					
Sensor type	TiO ₂			TiO ₂	
Resolution	384x288			640x480	
Frame rate	50 Hz			50 Hz	
Thermal sensitivity	< 40 mK			< 40 mK	
Starting time	< 3 s			< 5 s	
Calibration process during operation	invisible			invisible	
OPTICAL					
Lens	F1.0/40 mm	F1.0/54 mm	F1.0/75 mm	F1.0/54 mm	F1.0/75 mm
FOV	7×9.3°	5.4×7.2°	3.7×5°	8.9×11.8°	6.2×8.2°
Magnification	2.8X...11.2X	3.8X...15.2X	5.2X...20.8X	2.3X...9.2X	3.2X...12.8X
Digital zoom	2X, 4X			2X, 4X	
Range of detection (object 1.7m x 0.5m)	1200 m	1500 m	2000 m	1600 m	2200 m
SYSTEM					
Display resolution (pixels)	OLED 800x600				
Color patterns	6				
Built in video record	Yes				
Built in memory	8 Gb				
Available memory microSD	32 Gb				
Battery type	4×AA				
Battery life	8 h				
Wifi	No				
Laser range finder	Available (detachable)				
Laser wavelength nm	905nm				
Measurement range	700m or 1200m				
Accuracy	± 1 m				
Digital magnetic compass	No				
Digital Inclinator	No				
Pitch and roll scales	No				
PHYSICAL & OPERATIONAL					
Body	Reinforced aluminium				
Waterproofness	Yes				
Level of protection	IPx6 (IP67 upon request)				
Drop	2m				
Operating temperature	-20°C...+50°C				
Dimensions mm	185×64×75	220×64×75	260×83×83	220×64×75	260×83×83
Weight kg	0,48	0,6	0,85	0,6	0,85
Warranty	2 years				

STRIX PRO

Thermal monocular



THERMAL

NIGHT VISION

VISIBLE

It is a multifunctional thermal monocular with smart options. The key advantage of the device is E-compass, video recording, microSD card up to 32 Gb, Wi-Fi, roll and pitch scales, detachable laser range finder.

SPECIFICATIONS

PRODUCT	STX-3ST40	STX-3ST54	STX-3ST75	STX-6ST54	STX-6ST75
SENSOR					
Sensor type	VOx			VOx	
Resolution	384x288			640x480	
Frame rate	50 Hz			50 Hz	
Thermal sensitivity	< 50 mK			< 50 mK	
Starting time	< 5 s			< 5 s	
Calibration process during operation	invisible			invisible	
OPTICAL					
Lens	F1.0/40 mm	F1.0/54 mm	F1.0/75 mm	F1.0/54 mm	F1.0/75 mm
FOV	7×9.3°	5.4×7.2°	3.7×5°	8.9×11.8°	6.2×8.2°
Magnification	2.8x...11.2x	3.8x...15.2x	5.1x...20.4x	2.3x...9.2x	3.2x...12.8x
Digital zoom	2X, 4X			2X, 4X	
Range of detection (object 1.7m x 0.5m)	1300 m	1700 m	2200 m	1800 m	2400 m
SYSTEM					
Display resolution (pixels)	OLED HD 1024x768				
Color patterns	6				
Built in video record	Yes				
Built in memory	8 Gb				
Available memory microSD	32 Gb				
Battery type	4×AA				
Battery life	8 h				
Wifi	Yes				
Laser range finder	Available (detachable)				
Laser wavelength nm	905nm				
Measurement range	700m or 1200m				
Accuracy	± 1 m				
Digital magnetic compass	Yes				
Digital Inclinometer	Yes				
Pitch and roll scales	Yes				
PHYSICAL & OPERATIONAL					
Body	Reinforced aluminium				
Waterproofness	Yes				
Level of protection	IPx6 (IP67 upon request)				
Drop	2m				
Operating temperature	-20°C...+50°C				
Dimensions mm	185×64×75	220×64×75	260×83×83	220×64×75	260×83×83
Weight kg	0,6	0,75	0,85	0,75	0,85
Warranty	2 years				



F1.0/40mm



F1.0/54mm



F1.0/75mm

THERMAL

NIGHT VISION

VISIBLE



FORTIS

Thermal binocular

The FORTIS is an advanced and professional thermal type binoculars, used for the round-the-clock search, surveillance and registration of different objects during normal and extreme weather conditions, as well as in man-made noise within 8-14 microns spectral range. The device is equipped with the built-in digital video recorder, with memory card up to 32 Gb, USB port.



Laser range finder (detachable)



F1.0/75mm



F1.0/100mm

SPECIFICATIONS

PRODUCT	FRT-3B75	FRT-3B100	FRT-6B75	FRT-6B100
SENSOR				
Sensor type	ASi		ASi	
Resolution	384x288		640x480	
Frame rate	50 Hz		50 Hz	
Pixel pitch	17 µm		17 µm	
Thermal sensitivity	< 50 mK		< 50 mK	
Spectral range	8 ... 14 µm		8 ... 14 µm	
Starting time	< 3 s		< 5 s	
Calibration process during operation	invisible		invisible	
OPTICAL				
Lens	F1.0/75mm	F1.0/100mm	F1.0/75mm	F1.0/100mm
FOV	3.7°x5°	2.8°x3.7°	6°x8°	4.7°x6.2°
Magnification	6X...24X	8X...32X	4X...32X	5X...40X
Digital zoom	2X, 4X		2X, 4X, 8X	
Range of detection (object 1.7m x 0.5m)	1800 m	2100 m	2100 m	2600 m
Dioptr adjustment	± 5 dptr			
SYSTEM				
Display type	LCD			
Display resolution	960x240			
Color patterns	8			
Built in video record	Yes			
Built in memory	8 Gb			
Available memory microSD	32 Gb			
Video format	.avi			
Battery type	2x Li-Ion batteries			
Battery life	8 hours			
Wifi	Yes			
Laser range finder (detachable)	Available (detachable)			
Laser wavelength	905 nm			
Measurement range	700 or 1200 m			
Accuracy	± 1 m			
Digital magnetic compass	No			
Digital Inclinator	No			
Pitch and roll scales	No			
GPS	No			
PHYSICAL & OPERATIONAL				
Body	Reinforced aluminium			
Waterproofness	Yes			
Level of protection	IPX6 (IP67 available)			
Drop	No			
Operating temperature	-20°C ... +50°C			
Dimensions mm	245x200x83	245x200x105	245x200x83	245x200x105
Weight kg	1.55	1.7	1.55	1.7
Warranty	2 years			

FORTIS PRO

Thermal binocular



THERMAL

NIGHT VISION

VISIBLE

The FORTIS PRO is the latest and high-tech development of a professional thermal binocular, where the most innovative and cutting-edge digital technologies are combined and implemented. The binocular has all necessary user functions at reasonable price and high reliability. The device is designed for special applications, i.e. police, security, Civil defence authorities, sea and border control.

SPECIFICATIONS

PRODUCT	F RTP-3B75	F RTP-3B100	F RTP-6B75	F RTP-6B100
SENSOR				
Sensor type	ASi		ASi	
Resolution	384x288		640x480	
Frame rate	50 Hz		50 Hz	
Pixel pitch	17 µm		17 µm	
Thermal sensitivity	< 50 mK		< 50 mK	
Spectral range	8 ... 14 µm		8 ... 14 µm	
Starting time	< 3 s		< 5 s	
Calibration process during operation	invisible		invisible	
OPTICAL				
Lens	F1.0/75mm	F1.0/100mm	F1.0/75mm	F1.0/100mm
FOV	3.7°x5°	2.8°x3.7°	6°x8°	4.7°x6.2°
Magnification	6X...24X	8X...32X	4X...32X	5X...40X
Digital zoom	2X, 4X		2X, 4X, 8X	
Range of detection (object 1.7m x 0.5m)	1800 m	2100 m	2100 m	2600 m
Diopter adjustment	± 5 dptr			
SYSTEM				
Display type	LCD			
Display resolution	960x240			
Color patterns	8			
Built in video record	Yes			
Built in memory	8 Gb			
Available memory microSD	32 Gb			
Video format	.avi			
Battery type	2x Li-Ion batteries			
Battery life	8 hours			
Wifi	Yes			
Laser range finder (detachable)	Included (detachable)			
Laser wavelength	905 nm			
Measurement range	700 or 1200 m			
Accuracy	± 1 m			
Digital magnetic compass	Yes			
Digital Inclinator	Yes			
Pitch and roll scales	Yes			
GPS	Yes			
PHYSICAL & OPERATIONAL				
Body	Reinforced aluminium			
Waterproofness	Yes			
Level of protection	IPX6 (IP67 available)			
Drop	No			
Operating temperature	-20°C ... +50°C			
Dimensions mm	245x200x83	245x200x105	245x200x83	245x200x105
Weight kg	1.55	1.65	1.7	1.8
Warranty	2 years			



F1.0/75mm



F1.0/75mm



F1.0/100mm

THERMAL

NIGHT VISION

VISIBLE



STRIX HYBRID

Thermal + Day/Night monocular

Dual-channel monocular STRIX Hybrid is the multi-purpose device, designed for all-weather and round-the-clock search and supervision of different objects within a wide spectral range from 0.4 to 1.1 microns and from 8 to 14 microns. The application of up-to-date technologies with athermalized microbolometer as well as high-sensitive CCD camera with digital processing delivers high quality and sensitivity for TV and thermal images. The built-in CCD camera allows supervision not only at night and dusk in automatic mode, but also during rain, snowfall and fog conditions. The combination of low-light-level TV camera and thermal imager provides all-weather and round-the-clock detection, identification and registration of objects at any time and weather.

SPECIFICATIONS

	Thermal		TV line	
PRODUCT			STXH-3F40	STX-3F40
SENSOR				
Sensor type	TiO ₂		Color CCD Day/Night	
Resolution	384x288	640x480	768x582	
Frame rate	50 Hz		50 Hz	
Pixel pitch	17 μm			
Thermal sensitivity	< 40 mK		0.0001 lux	
Spectral range	8 ... 14 μm		0.4...1 μm	
Starting time	< 3 s	< 5 s		
Calibration process during operation			1.5 s	
OPTICAL				
Lens	F1.0/40mm		F1.4/26mm	F1.8/50 mm
FOV	8-11°		15°	15°
Magnification	2.8X...11.2X		2X	3.8X
Digital zoom	2X, 4X			
Range of detection (object 1.7m x	1300m		300m (at night)	600m (at night)
SYSTEM				
Display type	OLED			
Display resolution	800x600			
Built in video record	Yes			
Built in memory, Gb	Yes			
Available memory microSD, Gb	64Gb			
Video format	.avi			
Battery type	Li-ion (2×18650)			
Battery life, hours	8 h			
Wifi	No			
Digital magnetic compass	No			
GPS	No			
PHYSICAL & OPERATIONAL				
Body	Aluminium			
Waterproofness	Yes			
Level of protection	IPX6 (IP67)			
Drop	No			
Operating temperature	-20°C to +50°C			
Dimensions, mm	123×139×55			
Weight, kg	0.46			
Warranty	2 Years			



F1.4/26mm

PANDION

Thermal + Day/Night binocular



THERMAL

NIGHT VISION

VISIBLE

The PANDION is a high-tech dual-spectral round-the-clock binocular, designed for 24-hours search, supervision and registration of objects in normal and harsh weather conditions as well as in man-made noise within a wide spectral range - visual and infrared (thermal). The application of up-to-date technologies with athermalized microbolometer as well as high-sensitive CCD camera with digital processing delivers high quality and sensitivity for TV images. The built-in CCD camera allows observation not only at night and dusk in automatic mode, but also during rain, snowfall and fog conditions. The device has a binocular design, the built-in digital video recorder, SD/microSD card memory slot (supports up to 32 Gb) and Wi-Fi video transmitter with work range up to 150 m, compatible to Android and iOS Apple devices.



Pandion binocular



Pandion binocular

SPECIFICATIONS

Channel	Thermal	TV line
SENSOR		
Sensor type	VOx	Color CCD Day/Night
Resolution	384x288 or 640x480	768x582
Frame rate	50 Hz	
Pixel pitch	17 μm	
Thermal sensitivity	< 50 mK	0.0001 lux
Spectral range	8...14 μm	0.4...1 μm
Starting time	< 5 s	
Calibration process during operation	1.5 s	
OPTICAL		
Lens	F1.0/75 mm	F1.6/10-160 vario
FOV	8°	2-16°
Magnification	6X...24X	0.5X-10X
Digital zoom	2X, 4X	
Range of detection (object 1.7m x 0.5m)	2000m	1000m (at night)
SYSTEM		
Display type	LTPS TFT LCD	
Display resolution	Colored 960x240	
Built in video record	Yes	
Built in memory, Gb	Yes	
Available memory microSD, Gb	32Gb	
Video format	.avi	
Battery type	Li-ion (3×18650)	
Battery life, hours	6 h	
Wifi	Yes	
Digital magnetic compass	No	
GPS	No	
PHYSICAL & OPERATIONAL		
Body	Aluminium	
Waterproofness	Splash-proof	
Level of protection	IP65	
Drop	No	
Operating temperature	-20°C ... +50°C	
Dimensions, mm	240×210×80	
Weight, kg	2.2	
Warranty	2 Years	

THERMAL

NIGHT VISION

VISIBLE



NIVEX

Night vision monocular



NVX1X



NVX3.5X



NVX5X

The NIVEX night vision monocular meets any law enforcement, Civil Defence authorities supervision need in the darkest conditions. The device is supplied with Gen.2+ or 3 image intensifier tubes.

The NIVEX can be supplied as hand-held, weapon-mounted and head-mounted type. It offers built-in invisible LED 940 nm illuminator, optional exchangeable lenses 3X and 5X, weapon-mounted Picatinny, power source with 1xAA battery or 1xCR123 battery, low battery and IR "ON" indicators.

The NIVEX has waterproof design, light weight as well as high quality optics and image tube.

SPECIFICATIONS

Model	NVX1X	NVX3.5X	NVX5X
IMAGE INTENSIFIER TUBE			
Generation	2+ or 3		
OPTICAL			
Lens	F1.4/26 mm	F1.6/80 mm	F1.5/110 mm
FOV	40°	13°	9°
Magnification	1X	3.5X	5X
Diopter adjustment	± 5 dptr	± 5 dptr	± 5 dptr
SYSTEM			
Battery type	3V, 1×CR123A		
Battery life	80 h		
Built-in invisible LED 850 nm illuminator	Included		
PHYSICAL & OPERATIONAL			
Body	Impact-proof and sealed body		
Waterproofness	Yes		
Level of protection	IPX6 (IP67)		
Drop	Yes		
Operating temperature	-40°C...+50°C		
Dimensions (length mm)	112	183	216
Weight kg.	0.37	0.6	0.8
Hand-held and weapon/head-mounted type	Yes		
Warranty	2 Years		

NIVEX GOGGLES

Night vision goggles



THERMAL

NIGHT VISION

VISIBLE

The NIVEX-goggles are lightweight, compact, dual tube night vision goggles for hand-held or face-mask installation, designed for surveillance, supervision at night. It has 1X magnification for short to medium range surveillance, powerful IR illuminator with output power control, ocular distance adjustment (58...73mm).



NVX-GOG



NVX-GOG

SPECIFICATIONS

Model	NVX-GOG
IMAGE INTENSIFIER TUBE	
Generation	2+ or 3
OPTICAL	
Lens	F1.4/26 mm
FOV	40°
Magnification	1X
Diopter adjustment	± 5 dptr
SYSTEM	
Battery type	3V, 1×CR123A
Battery life	50 h
Built-in invisible LED 850 nm illuminator	Included
PHYSICAL & OPERATIONAL	
Body	Impact-proof and sealed body
Waterproofness	Yes
Level of protection	IPX6 (IP67)
Drop	Yes
Operating temperature	-40°C...+50°C
Dimensions (length mm)	120×112×74
Weight kg.	0.45
Hand-held and weapon/head-mounted type	Yes (head only)
Warranty	2 Years

THERMAL

NIGHT VISION

VISIBLE



NIVEX L

Long range night vision monocular

The NIVEX-9X long-range NV device is based on the Gen. 2+ or 3 image intensifier. It can be used for night observation at a distance up to 2000 m. The device can be supplied with 1 powerful IR laser illuminator IR-850 as well as with a tripod

SPECIFICATIONS

Model	NVX-L
IMAGE INTENSIFIER TUBE	
Generation	2+ or 3
OPTICAL	
Lens	F1.6/170 mm
FOV	6°
Magnification	9X
Range of detection - day (night)	3000m (2000m)
Diopter adjustment	± 5 dptr
SYSTEM	
Battery type	3V, 1×CR123A
Battery life	60 h
Built-in invisible LED 850 nm illuminator	Available
PHYSICAL & OPERATIONAL	
Body	Impact-proof and sealed body
Waterproofness	Yes
Level of protection	IPX6 (IP67)
Drop	Yes
Operating temperature	-30°C...+50°C
Dimensions (length)	380×105 mm
Weight kg.	1.4
Hand-held and weapon/head-mounted type	Yes
Warranty	2 Years



NVX-L



NVX-L

NIVEX D/N L

Long range Day + Night vision monocular



THERMAL

NIGHT VISION

VISIBLE

The NIVEX-D/N 9X is long-range round-the-clock device, based on Gen. 2+ or 3 image tube. The device is designed for observation and registration of different objects at distances up to 2000 m at night and up to 3000 m in daylight. The device has a single optical axis for day and night channels, convenient switching mode with a handle and built-in focusing system. Camera adapter is available for video recording.



NVX-L-D/N



NVX-L-D/N

SPECIFICATIONS

Model	NVX-L-D/N
IMAGE INTENSIFIER TUBE	
Generation	2+ or 3
OPTICAL	
Lens	F1.6/170 mm
FOV	6°
Magnification	9X
Range of detection - day (night)	3000m (2000m)
Diopter adjustment	± 5 dptr
SYSTEM	
Battery type	3V, 1×CR123A
Battery life	60 h
Built-in invisible LED 850 nm illuminator	Available
PHYSICAL & OPERATIONAL	
Body	Impact-proof and sealed body
Waterproofness	Yes
Level of protection	IPX6 (IP67)
Drop	Yes
Operating temperature	-30°C...+50°C
Dimensions (length)	390 mm
Weight kg.	2.0
Hand-held and weapon/head-mounted type	Yes
Warranty	2 Years

THERMAL

NIGHT VISION

VISIBLE



FORTIS NV

Digital night vision binocular

The FORTIS NV digital night vision binocular is based on the high-resolution and high-sensitive CCD sensor with a special system of electronic signal integration and amplification. The binocular offers supervision not only at night and dusk in automatic mode, but also during rain, snowfall and fog. It has built-in video recorder, a slot for SD/microSD card with expandable memory up to 32 Gb and Wi-Fi video transmitter.

The FORTIS Digital's sensitivity is comparable to Gen.2+ night vision devices and day/night mode switches automatically. An integrated proximity sensor offers increased continuous operation time and provides hidden observation.

SPECIFICATIONS

PRODUCT	FRT-NV5X	FRT-NV7X	FRT-NV11X	FRT-NV1-8X
SENSOR				
Sensor type	Color CCD Day/Night			
Resolution	768x582			
Frame rate	50 Hz			
Operational range	0.0005...30 000 lux			
Spectral range	0.4...1 μm			
OPTICAL				
Lens	F1.6/80 mm	F1.5/110 mm	F1.5/170 mm	F1.6/10-120 mm
FOV	9°	6°	4°	6°-64°
Magnification	5x	7x	11x	1X...8X
Range of detection - day (night)	500m (300m)	700m (400m)	1000m (600m)	700m (300m)
Diopter adjustment	± 5 dptr			
SYSTEM				
Display type	Color 2.5" LTPS TFT LCD 960×240			
Display resolution	960×240			
Built in video record	Yes			
Built in memory	8 Gb			
Available memory microSD	32 Gb			
Video format	.avi, 50 Hz, 640×480, USB			
Battery type	Li-Ion (2x18650)			
Battery life	8 h			
Wifi	Yes			
Laser range finder (detachable)	Available (detachable)			
Laser wavelength	905 nm			
Measurement range	700m or 1200m			
Accuracy	± 1 m			
IR illuminator	Available			
IR illuminator's range	Up to 3000m			
Digital magnetic compass	No			
Pitch and roll scales	No			
GPS	No			
PHYSICAL & OPERATIONAL				
Body	Aluminium			
Waterproofness	Yes			
Level of protection	IP66			
Drop	No			
Operating temperature	-20...+50°C			
Dimensions	200×175×85	250×175×95	360×175×110	230×175×85
Weight	1.4 kg	1.65 kg	2.7 kg	1.35 kg
Warranty	2 years			



FRT-NV5X



FRT-NV7X



FRT-NV11X



FRT-NV1-8X

FORTIS NV PRO

Digital night vision binocular



THERMAL

NIGHT VISION

VISIBLE

The FORTIS NV PRO day-night digital binocular is based on the high-resolution and high-sensitive CCD sensor with a special system of electronic signal integration and amplification. The binocular offers supervision not only at night and dusk in automatic mode, but also during rain, snowfall and fog

Two types of detachable rangefinders are offered for application with maximal range up to 700 meters and 1200 meters accordingly. The CPU automatically identifies the type of a rangefinder, connects it to riflescope controller and transmits the information to a display. The device contains a set of additional user functions, such as Wi-Fi, GPS, E-compass, video recorder, digital inclination sensors along vertical and horizontal axes, etc.



FRTP-NV5X



FRTP-NV7X



FRTP-NV17X



FRTP-NV1-12X

SPECIFICATIONS

PRODUCT		FRTP-NV5X	FRTP-NV7X	FRTP-NV11X	FRTP-NV1-8X
SENSOR					
Sensor type	Color CCD Day/Night				
Resolution	768x582				
Frame rate	50 Hz				
Operational range	0.0005...30 000 lux				
Spectral range	0.4...1 μm				
OPTICAL					
Lens	F1.6/80 mm	F1.5/110 mm	F1.5/170 mm	F1.6/10-120 mm	
FOV	9°	6°	4°	6°-64°	
Magnification	8X	7X	11X	1X...8X	
Range of detection - day (night)	500m (300m)	700m (400m)	1000m (600m)	700m (300m)	
Diopter adjustment	± 5 dptr				
SYSTEM					
Display type	Color 2.5" LTPS TFT LCD 960×240				
Display resolution	960×240				
Built in video record	Yes				
Built in memory	8 Gb				
Available memory microSD	32 Gb				
Video format	.avi, 50 Hz, 640×480, USB				
Battery type	Li-Ion (2x18650)				
Battery life	8 h				
Wifi	Yes				
Laser range finder (detachable)	Yes (detachable)				
Laser wavelength	905 nm				
Measurement range	700m or 1200m				
Accuracy	± 1 m				
IR illuminator	Available				
IR illuminator's range	Up to 3000m				
Digital magnetic compass	Yes				
Pitch and roll scales	Yes				
GPS	Yes				
PHYSICAL & OPERATIONAL					
Body	Aluminium				
Waterproofness	Yes				
Level of protection	IP66				
Drop	No				
Operating temperature	-20...+45°C				
Dimensions	200×175×85	250×175×95	360×175×110	230×175×85	
Weight	1.4 kg	1.65 kg	2.7 kg	1.35 kg	
Warranty	2 Years				

THERMAL

NIGHT VISION

VISIBLE



FORTIS NV-L | FORTIS NV-L PRO

Digital long range night vision binocular

FORTIS NV-L are digital binoculars designed for round-the-clock surveillance and registration of different objects up to 2000 meters away. Each binocular is based on high-sensitive and high-resolution CCD sensor with a special electronic integration system and signal amplification that enables successful operation during day and night conditions.

PRO version:

Is equipped with a powerful infrared laser illuminator which allows observation in active mode at a distance up to 2000 meters. The device is designed for both stationary and mobile use. It contains low-light-level TV camera with zooming lens, a binocular system with control panel, video recorder, SD/microSD card with expandable memory up to 32 Gb, high-power infrared laser illuminator, Wi-Fi, GPS, E-compass, roll and pitch scales as well as a detachable laser rangefinder. The device has a modular design. It can also be equipped with remote control option via 3 m cable.



FRT-NV-L21X



FRT-NV-L21X



FRT-NV-L33X

SPECIFICATIONS

PRODUCT	FRT-NV-L21X	FRT-NV-L33X
SENSOR		
Sensor type	Color CCD Day/Night	Color CCD Day/Night
Resolution	1/3" 570TV lines	1/3" 570TV lines
Frame rate	50 Hz	50 Hz
Operational range	0.0001...30 000 lux	0.0001...50 000 lux
Spectral range	0.4...1 µm	0.4...1 µm
OPTICAL		
Lens	F1.5/10–210mm	F1.5–3.8/10–330mm
FOV	9°	6°
Magnification	1X...21X	1X...33X
Range of detection (object 1.7m x 0.5m)	1500m	2000m
Dioptr adjustment	± 5 dptr	
SYSTEM		
Display resolution	960×240	
Built in video record	Yes	
Built in memory	8 Gb	
Available memory microSD	32 Gb	
Video format	.avi, 50 Hz, 640×480, USB	
Battery type	4xAA and external power	Li-Ion (3x18650) and external power
Battery life	4 h	4 h
Wifi	Yes	
Laser range finder (detachable)	Available (detachable)	
Laser wavelenght	905 nm	
Measurement range	700m or 1200m	
Accuracy	± 1 m	
IR illuminator	Available	Included (2000mW)
IR illuminator's range	Up to 3000m	Up to 3000m
Digital magnetic compass	No	Yes
Digital inclinometer	No	Yes
Pitch and roll scales	No	Yes
GPS	No	Yes
PHYSICAL & OPERATIONAL		
Body	Aluminium	
Waterproofness	Yes	Splash-proof
Level of protection	IPX6 (IP67)	IP54
Drop	No	No
Operating temperature	-10...+45°C	-20...+50°C
Dimensions	300×150×110	
Weight	2.1 kg	4.5 kg
Warranty	2 Years	

ACCESSORIES

Laser rangefinders | IR illuminators | Lenses | Rifle mounts

THERMAL
NIGHT VISION
VISIBLE



Laser range finders (detachable)



IR illuminators (detachable)



Lenses



Rifle mounts

LASER RANGEFINDERS

PRODUCT	LRF700	LRF1200
SYSTEM		
Measurement range	3 - 700 m	3 - 1200 m
Accuracy	± 1 m	± 1 m
Laser class	I	I
Laser wavelength	905 nm	905 nm
Divergence (angle)	3.6 mrad	3.6 mrad
PHYSICAL & OPERATIONAL		
Body	Aluminium	Aluminium
Waterproofness	Yes	Yes
Level of protection	IPX6	IPX6
Operating temperature	-20°C...+40°C	-20°C...+40°C

IR ILLUMINATORS

PRODUCT	IR90-940	IR250-850	IR2000-810
SYSTEM			
Output power	90 mW	250 mW	2000 mW
Adjustable power	Yes	Yes	Yes
Wavelength	940 nm	850 nm	810 nm
Divergence (angle)	5° to 8°	1° to 20°	1° to 10°
Adjustable divergence	Yes	Yes	Yes
Max. Range of illumination	200 m	1000 m	3000 m
Power supply	1xCR123	1xCR123	4xAA batteries DC12V external power source
PHYSICAL & OPERATIONAL			
Operating temperature	-30°C...+40°C	-30°C...+40°C	-10°C...+40°C
Dimensions	140x32 mm	130x25 mm	150x51 mm
Weight	0.14 kg	0.1 kg	0.4 kg

LENSES

F1.6/80mm	F1.5/110mm	F1.6/170mm	F1.6/10-120mm
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RIFLE MOUNTS

MAK	LM PRISM	PICATINNY
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