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OF OPTICS**



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**DAY •
NIGHT •
THERMAL •**

2024



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ATN — THE MOST ADVANCED OPTICS ON THE MARKET

American Technology Network Corp., is a leading manufacturer of Night Vision, Thermal Imaging and Digital-HD (CMOS) Day/Night optics designed for Military, Government, LE and International Military use. For over two decades, ATN Corp. has been a premier innovator and developer of advanced electro-optics, striving to provide for our global customer-base and end-users a wide array of state-of-the-art technologies that include:

- NIGHT VISION
- THERMAL IMAGING
- SMART-HD (CMOS) DAY & NIGHT ELECTRO-OPTICS



Experience ATN's Ultra HD Optics like never before! Our new 4K "True Color" Sensor is capable of capturing crisp clear images at the furthest ranges with increased daytime color resolution (4 million colors). With 24,000 shades of grey, you'll also get incredibly smooth nighttime gradations from darkness to light.

All 5th Gen Optics have been redesigned to meet strict specifications to match our 4K sensor performance. The new Quad Core Processor that drives our core allows for faster response, higher FPS rate, better streaming, and the use of a multitude of new image processing techniques.

The next several pages will help familiarize you with just some of the amazing features the new Smart HD and Ultra HD Optics have to offer.

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DNWS 5 / DNWS 5 LRF SERIES

GENERATION 5 SMART HD DAY & NIGHT RIFLE SCOPES



DESCRIPTION

ATN is moving Electro-Optics innovation forward once again with our 5th Gen DNWS 5 Ultra HD 4K+ Smart Day/Night Scope. Featuring an upgraded high-performance sensor, the DNWS 5 gives you ultra-high definition with 4 million more pixels for accurate tones, vivid colors, and a true-to-life visual sensation.

The DNWS 5 provides the highest sensor resolution on the market. More than double the competition and 33% more than our DNWS 4 models.

Advanced Ballistic calculator helps make sure you hit your target each and every time.

Experience better day and nighttime visual quality and capability along with ambient temperature compensation. It's a 24 hour visual experience like you've never seen!

KEY FEATURES

- ULTRA 4K SENSOR
- ONE SHOT ZERO
- DUAL STREAM VIDEO
- SMOOTH ZOOM
- E-COMPASS
- WIFI
- DAY/NIGHT MODE
- 3D GYROSCOPE
- RECORD VIDEO IN REAL 4K
- BALLISTIC CALCULATOR
- CUSTOM RETICLES
- PROFILE MANAGER
- ULTRA LOW POWER CONSUMPTION
- COMFORTABLE EYE RELIEF

SPECIFICATIONS

Item	DNWS 5 3-15x	DNWS 5 5-25x	DNWS 5 LRF 3-15x	DNWS 5 LRF 5-25x
Item #	DNWS5315A	DNWS5525A	DNWS5315L	DNWS5525L
Laser Rangefinder	No		Yes	
Sensor	ATN 4K+ 4056x3040 30/60/120 FPS			
Magnification	3-15x	5-25x	3-15x	5-25x
Field of view	9°	6.3°	9°	6.3°
Field of view	15.7 m / 100 m	11 m / 100 m	15.7 m / 100 m	11 m / 100 m
Core	ATN Gen V Quad Core			
Micro Display	1280x960			
Eye relief	90 mm			
Video Record Resolution	Up to 4K UHD 30/60/120 fps			
Ballistic Calculator	Yes			
WiFi (Streaming, Gallery, & Controls)	iOS, Android			
3D Gyroscope	Yes			
3D Accelerometer	Yes			
RAV (Recoil Activated Video)	Yes			
Electronic Compass	Yes			
Smooth Zoom	Yes			
Radar	Yes			
Reticles	Multiple Patterns & Color Options, User Custom reticles			
Reticle Editor	Yes			
Microphone	Yes			
MicroSD card	4 to 64 Gb (V30 class)			
USB, type C	Yes			
Mount	30 mm Standard Rings (included)			
Battery life (Li-ion)	Up to 14 hours			
Waterproof rating / IP rating	Weather resistant			
Operating Temperature	-20°F to +120°F / -28°C to 48°C			
Dimensions	13.3"x2.2"x2.1"/337x56x54 mm	14.2"x2.2"x2.1"/360x56x54 mm	14.3"x3"x2.2"/362x76x56 mm	15.2"x3"x2.2"/385x76x56 mm
Weight	1.87 lb / 0.85 kg	1.87 lb / 0.85 kg	2.1 lb / 0.95 kg	2.1 lb / 0.95 kg
Warranty	2 years			

*Specifications subject to change without notice.

DNWS-4 SERIES

DAY & NIGHT SMART HD RIFLE SCOPES



KEY FEATURES

- HD VIDEO WITH 30/60/120 FPS
- BALLISTIC CALCULATOR
- RECOIL ACTIVATED VIDEO (RAV)
- SMART RANGEFINDER
- SMART MIL DOT RETICLE
- SHARE ON SOCIAL MEDIA
- ONE SHOT ZERO
- ULTRA LOW POWER CONSUMPTION
- PROFILE MANAGER

DESCRIPTION

For the best night vision scope, look no further than the DNWS-4, the flagship night rifle scope in ATN's lineup. Industry-leading features are packed into one rifle scope, setting it far ahead of others in its class. The appearance is familiar, resembling a standard night vision scope, but technologically advanced with an Ultra HD sensor for crisp images in Day and Night modes. Ultra-low power consumption enables users to run the scope for up to 18 hours of continuous use. The DNWS-4 also features a smart range finder, making it easy to gauge how far a target is.

SPECIFICATIONS

	DNWS-4 3-14x	DNWS-4 5-20x
Item #	DNWS4314	DNWS4520
Magnification	3-14x	5-20x
Field of view at 1000 yds	460 ft (9°)	240 ft (5°)
Sensor	ATN 4K M265 Sensor, 3864 (H) x 2218 (V)	
Core	ATN Obsidian IV Dual Core	
System Resolution	600 lp/mm	
Micro Display	1280x720 HD Display	
Eye relief	90 mm	
Video Record Resolution	1080p @ 30/60/120 fps**	
Ballistic Calculator	Yes	
WiFi (Streaming, Gallery, & Controls)	iOS & Android	
Night Vision Mode	Yes	
Reticles	Multiple Patterns & Color Options	
Micro SD card	4 to 64 GB	
USB, type C	Yes	
Mount	30 mm Standard Rings	
IR Illuminator	Included	
Battery life (Lion)	18+ hrs	
Battery type	Internal Lithium Ion Battery	
Waterproof rating / IP rating	Weather resistant	
Dimensions (body only)	13.8"x3"x3" / 350x76x76 mm	14.9"x3"x3" / 379x76x76 mm
Weight	2.1 lb / 0.94 kg	2.2 lb / 1.01 kg
Warranty	2 years	

*Specifications subject to change without notice.

**When choosing to use this option, the incorporation of your widgets are absent. Widgets would include reticle, time stamp, and logo that are added during video processing.

IMAGE QUALITY

4K Ultra HD technology, combined with our cutting edge Dual Core Processor, gives you unsurpassed image quality with richer and more vivid color tones. Providing the end user with a visual experience like no other.

RECORD HD VIDEO

This feature gives you the opportunity to capture your experiences in 1080p full HD. Using an SD card allows you to record your operations without any additional USB cables. Never missing a chance to catch the action video.

BALLISTIC CALCULATOR

With the ATN Ballistic Calculator, you can forget about charts and complex reticles. Just enter the environmental data and all the calculations will automatically be performed. This provides you with the opportunity to hit your target, even on your first attempt.

DUAL STREAM VIDEO

By incorporating a Dual Core Processor, we are now able to provide a much more enhanced experience. Now, you can Live Stream via WiFi to a mobile device, and record in your scope at the same time. Without lag or loss of performance.

DNWS-L SERIES

DAY & NIGHT DIGITAL RIFLE SCOPES

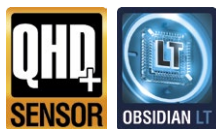


IMAGE QUALITY

Using the new ATN QHD+ M584 Sensor with a resolution of 2688x1944 the DNWS-L produces an incredibly vivid and crisp image both Day and Night.

RECORD HD VIDEO

The DNWS-L records in stunning HD quality all your latest ops no matter the time of day or night. Giving you a simple yet powerful scope that records hours of video on to a removable micro SD card.

KEY FEATURES

- DAY/NIGHT MODE
- RECORD HD VIDEO
- MULTIPLE RETICLES
- 3D GYROSCOPE
- LONG LASTING INTERNAL BATTERY

DESCRIPTION

The latest in ATNs HD Optics. The ATN DNWS-L scopes are powered by the new revolutionary ATN Obsidian LT Core that is optimized for low power consumption, in a small and ergonomic form factor. Vivid and crisp clarity during the day. Plus, amazing night time performance, delivered by the new QHD+ sensor. Which ATN customers have come to expect and rely on. We have slimmed down the feature offering in this model. Giving the user a simple no frills experience with a price point that's hard to beat. Record HD Videos, get on target fast with our One Shot Zero, operate all night with a 10+ hour battery life. Mount on any platform with standard 30 mm rings. ATN DNWS-L – the digital scope for the masses.

SPECIFICATIONS

	DNWS-L 3-9x	DNWS-L 5-15x
Item #	DNWSL309	DNWSL515
Lens	30 mm	50 mm
Magnification	3-9x	5-15x
Sensor	ATN QHD+ M584 Sensor	
Sensor Resolution	2688 x1944 @ 60 fps	
Core	ATN Obsidian LT Core	
Micro Display	1280x720 px	
Eye relief	90 mm	
3D Gyroscope	Yes	
3D Accelerometer	Yes	
Night Vision Mode	Yes	
Video Record	Yes	
Reticles	Multiple Patterns	
Video Record Resolution	1280x720	
Miscro SD Card	4 Gb to 64 Gb	
USB, type C	Charging Port	
Mount	30 mm Standard Rings (included)	
IR Illuminator	Included	
Battery life (Li-ion)	≈ 10 hrs	
Battery type	Internal Lithium Ion Battery	
Waterproof rating / IP rating	Weather resistant	
Dimensions (body only)	12.2"x2.2"x2.2" / 310x55x55 mm	13"x2.2"x2.2" / 330x55x55 mm
Weight	1.6 lb / 745 g	1.7 lb / 780 g
Warranty	2 years	

*Specifications subject to change without notice.

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DNBN-4 4-16X

DAY & NIGHT SMART HD BINOCULAR W/ BUILT-IN LASER RANGEFINDER



IMAGE QUALITY

4K Ultra HD technology, combined with our cutting edge Dual Core Processor, gives you unsurpassed image quality with richer and more vivid color tones. Providing the end user with a visual experience like no other.

DUAL STREAM VIDEO

By incorporating a Dual Core Processor, we are now able to provide a much more enhanced experience. Now, you can Live Stream via WiFi to a mobile device, and record in your binoculars at the same time, without lag or loss of performance.

LASER RANGEFINDER

The new 4K Sensor was incorporated for better visibility and crisper images, but we didn't stop there. We integrated a Laser Rangefinder, so you now have the ultimate binocular package that has everything you want. Not only do you have the ability to see both day and night at your fingertips, but you now have the ability to range your target with absolute accuracy for dope hold over or know how far you need to trek to your next waypoint.

RECORD HD VIDEO

Make capturing your experiences in stunning 1080p a regular part of your ops. No more missed opportunities of gathering intel. ATN expands the boundaries of Full HD video recording with rich colors and sharp details. Just insert an SD card to record the scene without any additional USB cables.

SPECIFICATIONS

	DNBN-4 4-16x
Item #	DNBN4LRF
Sensor	ATN 4K M265 Sensor 3864 (H) x 2218 (V)
Magnification	4-16x
Field of view	220 ft
Objective lens	40 mm
Display Resolution	1280x720x2
Interpupillary adjustment range	60-70 mm
Eye relief	10-30 mm
Focus Range	10 ft to infinity
IR illuminator	Yes
Laser Rangefinder	Yes
Video Record Resolution	1080p @ 30/60/120fps**
Precision to	± 1 y/m
Range	5-1000 y/m
IP rating	Weather Resistant
Charging	USB, type C
WiFi (Streaming, Gallery, & Controls)	iOS & Android
Micro SD Card	4 to 64 GB
Battery life (LI-ion)	18+ hrs
Dimensions	9.4" x 5" x 2.6" / 240 x 128 x 67 mm
Weight	2.5 lb / 1.12 kg
Warranty	2 years

*Specifications subject to change without notice.

**When choosing to use this option, the incorporation of your widgets are absent. Widgets would include reticle, time stamp, and logo that are added during video processing.

TTWS 5 XD / TTWS 5 XD LRF SERIES

GENERATION 5 SMART HD THERMAL RIFLE SCOPES



SENSOR 1280x1024 60 fps 12 μm

DESCRIPTION

As an innovative industry leader, breakthroughs are what we do. ATN delivers on its promise of cutting-edge thermal scope technology with the new TTWS 5 XD. ATN's Gen 5 Thermal Scope is bound to shake up the Electro-Optics industry with its smaller profile, feature-rich, first-to-market 1280x1024, 60 Hz 12 micron, ultra-sensitive HD thermal sensor.

A new Quad Core processor with enhanced sensors give TTWS 5 stunning image quality in both night and day. Precision is the name of the game in weapon scopes and what you see through a thermal scope matters.

KEY FEATURES

- XTREME DEFINITION SENSOR
- RECORD HD VIDEO
- DUAL STREAM VIDEO
- SMOOTH ZOOM
- E-COMPASS
- WIFI
- ULTRA LOW POWER CONSUMPTION

SPECIFICATIONS

Model	TTWS 5 XD			TTWS 5 XD LRF		
	TTWS 5 XD 2-20x	TTWS 5 XD 3-30x	TTWS 5 XD 4-40x	TTWS-XD LRF 2-20x	TTWS-XD LRF 3-30x	TTWS-XD LRF 4-40x
Item #	TWS5-1250U	TWS5-1275U	TWS5-1210U	TWS5-1250UL	TWS5-1275UL	TWS5-1210UL
Laser Rangefinder	No			Yes		
Sensor	1280x1024 60 fps 12 μm					
Magnification	2-20x	3-30x	4-40x	2-20x	3-30x	4-40x
Field of view, degrees	17.6x13.2	11.8x8.8	8.8x6.6	17.6x13.2	11.8x8.8	8.8x6.6
Core	ATN Gen V Quad Core T					
Micro Display	OLED display 1024x768					
Eye relief	90 mm					
Video Record Resolution	Up to 1280x960 @ 60 fps					
Ballistic Calculator	Yes					
WiFi (Streaming, Gallery, & Controls)	iOS & Android					
Bluetooth	Yes					
3D Gyroscope	Yes					
3D Accelerometer	Yes					
RAV (Recoil Activated Video)	Yes					
Electronic Compass	Yes					
Smooth Zoom	Yes					
Radar	Yes					
Reticles	Multiple Patterns & Color Options, User Custom reticles					
Reticle Editor	Yes					
Microphone	Yes					
MicroSD card	4 to 64 Gb					
USB, type C	Yes					
Mount	30 mm Standard Rings (included)					
Battery life (Li-ion)	10 hrs					
Waterproof rating / IP rating	Weather resistant					
Human Detection Range	2150	3200	4000	2150	3200	4000
Human Recognition Range	860	1440	1800	860	1440	1800
Human Identification Range	480	610	720	480	610	720
Operating Temperature	-20°F to +120°F / -28°C to 48°C					
Dimensions	14.4"x2.9"x2.9" 365x73x73 mm	15.5"x2.9"x2.9" 395x73x73 mm	16.7"x2.9"x2.9" 425x73x73 mm	14.4"x2.9"x2.9" 365x96x73 mm	15.5"x2.9"x2.9" 395x96x73 mm	16.7"x2.9"x2.9" 425x96x73 mm
Weight	2.5 lb / 1.133 kg			2.7 lb / 1.203 kg		
Warranty	3 years					

*Specifications subject to change without notice.

TTWS 5 / TTWS 5 LRF SERIES

GENERATION 5 SMART HD THERMAL RIFLE SCOPES



DESCRIPTION

The TTWS 5 is our latest generation of thermal scopes and is a revolutionary leap forward. More power, memory, the latest sensors and custom chips makes Gen 5 a tour de force.

From eyepiece to lens the TTWS 5 outperforms the competition. High resolution OLED display for blacker blacks and richer colors. Upgraded lenses, improved 12 µm technology, enhanced algorithms to provide sharp resolution and image quality. A new Quad Core processor with enhanced sensors give TTWS 5 stunning image quality in both night and day. Precision is the name of the game in weapon scopes and what you see through a thermal scope matters.

Mountable on standard 30 mm rings Gen 5 now sports a smaller and smoother profile for optimal design and comfort.

TTWS scopes have always been feature rich but Gen 5 has new features to make anyone feel like a kid again. ATN's exclusive Custom Reticle Builder will let your creative side have a real field day.

For those who must make their shots at any distance – LRF has been built in on the side in the smallest form factor ever. Giving you unprecedented precision at up 1000 yards with the internal Ballistic Calculator.*

One Shot Zero, Profile Manager, Ballistic calculator, Long Battery Life, Smart Mil-Dot Reticle, RAV (Recoil Activated Video), Dual Stream Video, IOS & Android Aps, Radar (for group coordinated action), and many more Features make Gen 5 TTWS a true marvel of science.

* For LRF models only.

KEY FEATURES

- ULTRA SENSITIVE SENSOR
- RECORD HD VIDEO
- DUAL STREAM VIDEO
- SMOOTH ZOOM
- E-COMPASS
- WIFI
- COLOR MODE
- COMFORTABLE EYE RELIEF
- CUSTOM RETICLES
- BALLISTIC CALCULATOR
- ONE SHOT ZERO
- RAV
- PROFILE MANAGER
- ULTRA LOW POWER CONSUMPTION

TTWS 5 / TTWS 5 LRF SERIES

GENERATION 5 SMART HD THERMAL RIFLE SCOPES

SPECIFICATIONS

Model	TTWS 5 320			TTWS 5 LRF 320			TTWS 5 640				TTWS 5 LRF 640				
	TTWS 5 320 3-12x	TTWS 5 320 4-16x	TTWS 5 320 5-20x	TTWS 5 LRF 320 3-12x	TTWS 5 LRF 320 4-16x	TTWS 5 LRF 320 5-20x	TTWS 5 640 2-16x	TTWS 5 640 3-24x	TTWS 5 640 4-32x	TTWS 5 640 5-40x	TTWS 5 LRF 640 2-16x	TTWS 5 LRF 640 3-24x	TTWS 5 LRF 640 4-32x	TTWS 5 LRF 640 5-40x	
Item #	TWS5-3219U	TWS5-3225U	TWS5-3235U	TWS5-3219UL	TWS5-3225UL	TWS5-3235UL	TWS5-6425U	TWS5-6435U	TWS5-6450U	TWS5-6475U	TWS5-6425UL	TWS5-6435UL	TWS5-6450UL	TWS5-6475UL	
Laser Rangefinder	No			Yes			No				Yes				
Sensor	320x240 60 fps 12 μm						640x480 60 fps 12 μm								
Magnification	3-12×	4-16×	5-20×	3-12×	4-16×	5-20×	2-16×	3-24×	4-32×	5-40×	2-16×	3-24×	4-32×	5-40×	
Field of view, degrees	11.6x8.7	8.8x6.6	6.3x4.7	11.6x8.7	8.8x6.6	6.3x4.7	17.6x13.2	12.6x9.4	8.8x6.6	5.9x4.4	17.6x13.2	12.6x9.4	8.8x6.6	5.9x4.4	
Core	ATN Gen V Quad Core T														
Micro Display	OLED display 1024x768														
Eye relief	90 mm														
Video Record Resolution	Up to 1280x960 @ 60 fps														
Ballistic Calculator	Yes														
WiFi (Streaming, Gallery, & Controls)	iOS & Android														
Bluetooth	Yes														
3D Gyroscope	Yes														
3D Accelerometer	Yes														
RAV (Recoil Activated Video)	Yes														
Electronic Compass	Yes														
Smooth Zoom	Yes														
Radar	Yes														
Reticles	Multiple Patterns & Color Options, User Custom reticles														
Reticle Editor	Yes														
Microphone	Yes														
MicroSD card	4 to 64 Gb														
USB, type C	Yes														
Mount	30 mm Standard Rings (included)														
Battery life (Li-ion)	10 hrs														
Waterproof rating / IP rating	Weather resistant														
Human Detection Range	750	960	1400	750	960	1400	1250	1600	2150	3300	1250	1600	2150	3300	
Human Recognition Range	335	432	630	335	432	630	560	720	960	1485	560	720	960	1485	
Human Identification Range	205	260	378	205	260	378	330	432	570	680	330	432	570	680	
Operating Temperature	-20°F to +120°F / -28°C to 48°C														
Dimensions	12.4"x2.2"x2.1" 316x56x54 mm			13.4"x3"x2.2" 341x76x56 mm			12.4"x2.2"x2.1" 316x56x54 mm				13"x2.2"x2.1" 330x56x54 mm	13.4"x3"x2.2" 341x75x56 mm		14"x3"x2.2" 355x76x56 mm	
Weight	1.93 lb / 0.88 kg			2.1 lb / 0.93 kg			1.93 lb / 0.88 kg				2.5 lb / 1.133 kg		2.1 lb / 0.93 kg		2.7 lb / 1.203 kg
Warranty	3 years														

*Specifications subject to change without notice.

TTWS 4 SERIES

THERMAL SMART HD RIFLE SCOPES



KEY FEATURES

- BALLISTIC CALCULATOR
- RECOIL ACTIVATED VIDEO (RAV)
- SMART RANGEFINDER
- E-COMPASS
- SMART MIL DOT RETICLE
- SHARE ON SOCIAL MEDIA
- ONE SHOT ZERO
- ULTRA LOW POWER CONSUMPTION
- PROFILE MANAGER

DESCRIPTION

As the flagship thermal rifle scope in ATN's lineup, the TTWS 4 is designed for the professional operator who wants superior functionality. The thermal scope comes loaded with industry-leading features, setting it far above others in its class. The infrared scope has up to 16 hours of battery life while its 4th generation thermal sensor achieves superior performance and supports dynamic range conditions. A smart range finder allows users to easily gauge distances to their target. The TTWS 4 thermal imaging scope also comes with video recording, WiFi, and Bluetooth capabilities to make sharing video of your ops a breeze.

IMAGE QUALITY

By combining Cutting-Edge thermal technology with our Dual Core Processor, we are able to deliver unsurpassed image quality. Giving the end user a visual experience like no other.

RECORD VIDEO

This feature gives you the opportunity to capture your action in 1280x960 px and 60 fps. Using an SD card allows you to record your action without any additional USB cables. Never missing a chance to catch your ops on video.

SPECIFICATIONS

	TTWS 4 384 1.25-5x	TTWS 4 384 2-8x	TTWS 4 384 4.5-18x	TTWS 4 384 7-28x	TTWS 4 640 1-10x	TTWS 4 640 1.5-15x	TTWS 4 640 2.5-25x	TTWS 4 640 4-40x
Item #	TWS4-3819U	TWS4-3825U	TWS4-3850U	TWS4-3875U	TWS4-6419U	TWS4-6425U	TWS4-6450U	TWS4-6475U
Sensor	Gen 4 384x288				Gen 4 640x480			
Magnification	1.25-5x	2-8x	4.5-18x	7-28x	1-10x	1.5-15x	2.5-25x	4-40x
Field of view	16°x12.5°	12°x9.5°	6°x4.7°	3°x2.4°	32°x25°	24°x19°	12.5°x9.7°	8.3°x6.2°
Core	ATN Obsidian IV Dual Core T							
Micro Display	1280x720 HD Display							
Eye relief	90 mm							
Video Record Resolution	Up to 1280x960 @ 30/60 fps							
WiFi (Streaming, Gallery, & Controls)	iOS & Android							
RAV (Recoil Activated Video)	Yes							
Reticles	Multiple Patterns & Color Options							
Micro SD card	From 4 to 64 GB							
USB, type C	Yes							
Mount	30 mm Standard Rings (included)							
Internal Lithium Ion Battery	18+ hrs				16+ hrs			
Waterproof rating / IP rating	Weather resistant							
Dimensions	13.1"×3"×3" 332×76×76 mm	13.5"×3"×3" 343×76×76 mm	13.8"×3"×3" 351×76×76 mm	14.8"×3"×3" 375×76×76 mm	13.1"×3"×3" 332×76×76 mm	13.5"×3"×3" 343×76×76 mm	13.8"×3"×3" 351×76×76 mm	14.8"×3"×3" 375×76×76 mm
Weight	1.93 lb / 0.88 kg	2.03 lb / 0.92 kg	2.2 lb / 1.0 kg	2.35 lb / 1.06 kg	1.93 lb / 0.88 kg	2.03 lb / 0.92 kg	2.2 lb / 1.0 kg	2.35 lb / 1.06 kg
Warranty	3 years							
Human Detection Range	750 m	960 m	1800 m	3000 m	830 m	1050 m	1950 m	3300 m
Human Recognition Range	335 m	480 m	720 m	1320 m	350 m	530 m	800 m	1450 m
Human Identification Range	205 m	300 m	430 m	720 m	225 m	330 m	475 m	800 m

*Specifications subject to change without notice.

TWSLV SERIES THERMAL RIFLE SCOPES



KEY FEATURES

- ONE SHOT ZERO
- STEP ZOOM
- RECORD VIDEO
- 3D ACCELEROMETER
- MULTIPLE RETICLES
- USB TYPE C
- ULTRA LOW POWER CONSUMPTION
- ERGONOMIC DESIGN
- LIGHT WEIGHT

DESCRIPTION

Ready to operate like a pro? Look no further than the TWSLV thermal riflescope from ATN. Packed with features and super affordable, the TWSLV is one of the lightest and easiest-to-use thermal scopes on the market.

Incorporating video recording capability, the TWSLV features the latest in advanced 12-micron thermal sensors, a 60 Hz refresh rate, a long-lasting rechargeable battery, and user-friendly controls. Built for tough conditions, the TWSLV is available in multiple lenses and sensor resolutions to fit nearly any budget. Mounting is easy with standard 30 mm rings.

The TWSLV system is highly-versatile and can be used with a variety of platforms.

Get accuracy, optimal image quality, and convenience that won't break the bank: equip your favorite weapon with an TWSLV and see the difference.

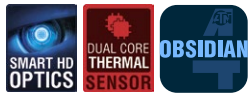
SPECIFICATIONS

	TWSLV 160		TWSLV 256				TWSLV 320			TWSLV 640		
Item #	TWSLV-1612U	TWSLV-1619U	TWSLV-2512U	TWSLV-2519U	TWSLV-2525U	TWSLV-2535U	TWSLV-3219U	TWSLV-3225U	TWSLV-3235U	TWSLV-6425U	TWSLV-6435U	TWSLV-6450U
Resolution	160x120 px / 12 μm		256x192 px / 12 μm				320x240 px / 12 μm			640x480 / 12 μm		
Magnification	3-9x	5-15x	1.5-4.5x	2-6x	3-9x	4-12x	3-9x	4-12x	5-15x	2-6x	3-9x	4-12x
Field of view	8.7°x6.5°	6.2°x4.7°	14.2°x10.7°	8.9°x6.7°	7.1°x5.4°	4.9°x3.7°	11.6°x8.7°	8.8°x6.6°	6.3°x4.7°	17.6°x13.2°	12.6°x9.4°	8.8°x6.6°
Display Resolution	1280x720 px						1024x768 px					
Eye relief	90 mm											
Video Record Resolution	1024x768 px											
3D Accelerometer	Yes											
Color modes	White Hot/Black Hot/Color Modes											
Reticles	Multiple Patterns											
Micro SD card	4 to 64 GB											
USB, type C	Yes											
Mount	30 mm Standard Rings (not included)											
Internal Lithium Ion Battery	9 + hrs											
IP rating	Weather resistant											
Human Detection Range	475 y/m	625 y/m	515 y/m	825 y/m	1035 y/m	1500 y/m	715 y/m	910 y/m	1510 y/m	740 y/m	920 y/m	1670 y/m
Human Recognition Range	240 y/m	315 y/m	130 y/m	210 y/m	260 y/m	375 y/m	305 y/m	455 y/m	680 y/m	375 y/m	485 y/m	700 y/m
Human Identification Range	160 y/m	210 y/m	65 y/m	105 y/m	130 y/m	190 y/m	200 y/m	290 y/m	400 y/m	250 y/m	325 y/m	440 y/m
Dimensions	292x56x55 mm / 11.5" x 2.2" x 2.2"											
Weight	1.4 lb / 650 g											
Warranty	3 years											

*Specifications subject to change without notice.

TTBN-4 SERIES

THERMAL SMART HD BINOCULARS W/ BUILT-IN LASER RANGEFINDER



DESCRIPTION

ATN has created a new series of thermal binoculars that offers the user a profound new technological experience! The new ATN TTBN-4 series delivers a superior value by providing ATN SMART HD features and an improved thermal imaging sensor that exceeds expectations. Plus, the new integrated laser rangefinder will give you an accurate distance to target up to 1000 yards away.

IMAGE QUALITY

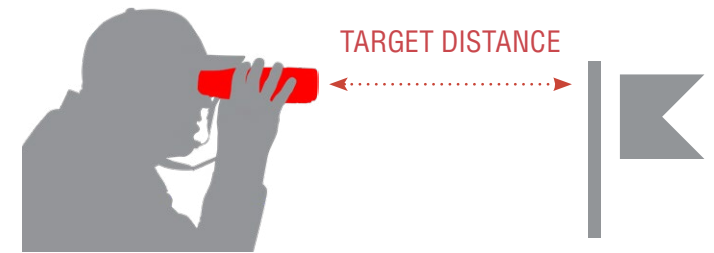
By combining Cutting-Edge thermal technology with our Dual Core Processor, we are able to deliver unsurpassed image quality. Giving the end user a visual experience like no other.

DUAL STREAM VIDEO

By incorporating a Dual Core Processor, we are now able to provide a much more enhanced experience. Now, you can Live Stream via WiFi to a mobile device, and record in your TTBN at the same time, without lag or loss of performance.

LASER RANGEFINDER

We integrated a Laser Rangefinder, so you now have the ultimate binocular package that has everything you want. Not only do you have the ability to see both day and night at your fingertips, but you now have the ability to range your target with absolute accuracy for dope hold over or know how far you need to trek to your next waypoint.

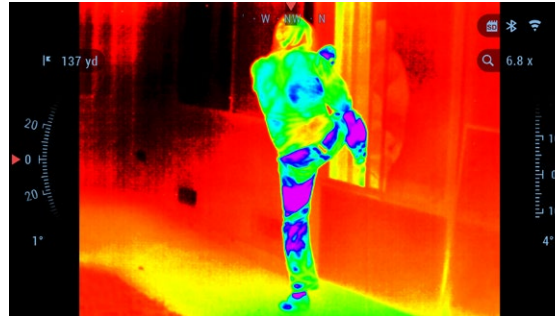
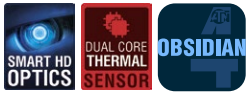


SPECIFICATIONS

	TTBN-4 1.25-5x	TTBN-4 2-8x	TTBN-4 4.5-18x	TTBN-4 1-10x	TTBN-4 1.5-15x	TTBN-4 2.5-25x
Item #	TBN4-3819U	TBN4-3825U	TBN4-3850U	TBN4-6419U	TBN4-6425U	TBN4-6450U
Sensor	384x288			640x480		
Magnification	1.25-5x	2-8x	4.5-18x	1-10x	1.5-15x	2.5-25x
Field of view	16°x12.5°	12°x9.5°	6x4.7°	32°x25°	24°x19°	12.5°x9.7°
Display Resolution	1280x720x2 px					
Interpupillary adjustment range	60-70 mm					
Eye relief	10-30 mm					
Focus Range	10 ft to infinity					
Laser Rangefinder	Yes					
Precision to	± 1 y/m					
Range	5-1000 y/m					
Video Record Resolution	Up to 1280x960p @ 30/60fps					
IP rating	Weather Resistant					
Charging	USB, type C					
WiFi (Streaming, Gallery, & Controls)	iOS & Android					
Micro SD Card	4 to 64 GB					
Battery life (Li-ion)	15+ hrs					
Human Detection Range	750 m	960 m	1800 m	830 m	1050 m	1950 m
Human Recognition Range	335 m	480 m	720 m	350 m	530 m	800 m
Human Identification Range	205 m	300 m	430 m	225 m	330 m	475 m
Dimensions	9.4" x 5" x 2.6" / 240 x 128 x 67 mm					
Weight	2.5 lb / 1.12 kg					
Warranty	3 years					

*Specifications subject to change without notice.

TTV SERIES THERMAL SMART HD MONOCULARS



KEY FEATURES

- E-COMPASS
- DUAL CORE PROCESSOR
- SHARE ON SOCIAL MEDIA
- ULTRA LOW POWER CONSUMPTION

CUTTING EDGE DUAL CORE THERMAL SENSOR

We've combined the next generation thermal sensor with our dual core processor giving you the best thermal monocular ever! Join the thermal evolution!

IMAGE QUALITY

By combining Cutting-Edge thermal technology with our Dual Core Processor, we are able to deliver unsurpassed image quality. Giving the end user a visual experience like no other.

DUAL STREAM VIDEO

By incorporating a Dual Core Processor, we are now able to provide a much more enhanced experience. Now, you can Live Stream via WiFi to a mobile device, and record in your scope at the same time. Without lag or loss of performance.

RECORD VIDEO

This feature gives you the opportunity to capture your experiences on video. Using an SD card allows you to record your ops without any additional USB cables.

SPECIFICATIONS

	TTV 384 1.25 - 5x	TTV 384 2 - 8x	TTV 384 4.5 - 18x	TTV 384 7 - 28x	TTV 640 1 - 10x	TTV 640 1.5 - 15x	TTV 640 2.5 - 25x	TTV 640 4 - 40x
# Item	TTV4-3819U	TTV4-3825U	TTV4-3850U	TTV4-3875U	TTV4-6419U	TTV4-6425U	TTV4-6450U	TTV4-6475U
Sensor	Gen 4 - 384x288				Gen 4 - 640x480			
Magnification	1.25 - 5x	2 - 8x	4.5 - 18x	7 - 28x	1 - 10x	1.5 - 15x	2.5 - 25x	4 - 40x
Field of view, degrees	16x12.5	12x9.5	6x4.7	5x3.8	32x25	24x19	12.5x9.7	8.3x6.2
Core	ATN Obsidian IV Dual Core T							
Micro Display	1280x720 HD Display							
Eye relief	25 mm							
Video Record Resolution	Up to 1280x960 @ 30/60 fps							
WiFi (Streaming, Gallery, & Controls)	iOS & Android							
Bluetooth	Yes							
3D Gyroscope	Yes							
3D Accelerometer	Yes							
E-Barometer	Yes							
Smart Range Finder	Yes							
Electronic Compass	Yes							
Smooth Zoom	Yes							
Microphone	Yes							
Micro SD card	From 4 to 64 GB							
Micro USB, type C	Yes							
Internal Lithium Ion Battery	18+ hrs				16+ hrs			
Waterproof rating / IP rating	Weather resistant							
Dimensions	8.7"x3.1"x3" 220x80x75 mm	8.7"x3.1"x3" 220x80x75 mm	9.3"x3.1"x3" 235x80x75 mm	10.2"x3.1"x3" 260x80x75 mm	8.7"x3.1"x3" 220x80x75 mm	8.7"x3.1"x3" 220x80x75 mm	9.3"x3.1"x3" 235x80x75 mm	10.2"x3.1"x3" 260x80x75 mm
Weight	850 g / 1.87 lb	850 g / 1.87 lb	875 g / 1.93 lb	900 g / 1.98 lb	850 g / 1.87 lb	850 g / 1.87 lb	875 g / 1.93 lb	900 g / 1.98 lb
Warranty	3 years							
Human Detection Range	750	960	1800	3000	830	1050	1950	3300
Human Recognition Range	335	480	720	1320	350	530	800	1450
Human Identification Range	205	300	430	720	225	330	475	800

*Specifications subject to change without notice.

<https://publicsector.atncorp.com/>

TTVL SERIES THERMAL MONOCULARS



19 mm

25 mm

35 mm

KEY FEATURES

- ERGONOMIC DESIGN
- ATN OBSIDIAN LT CORE
- LONG LASTING INTERNAL BATTERY
- USB TYPE C

IMAGE QUALITY

Using our new Obsidian LT Core and Cutting-Edge sensors for sharp crisp images and extended range.

SPECIFICATIONS

Item #	TTVL 160			TTVL 320			
	TTVL-1619U	TTVL-1625U	TTVL-1635U	TTVL-3219U	TTVL-3225U	TTVL-3235U	TTVL-3250U
Lens	19 mm	25 mm	35 mm	19 mm	25 mm	35 mm	50 mm
Resolution	160x120 px / 17 μm 60 Hz			320x240 px / 12 μm 60 Hz			
Magnification	3-6x	4-8x	5-10x	2-4x	3-6x	4-8x	6-12x
Field of View	8.1°x6.2°	6.2°x4.7°	4.5°x3.3°	11.4°x8.6°	8.8°x6.6°	6.3°x4.7°	4.5°x3°
Display Resolution	1280x960 px						
Eye relief	25 mm						
Color modes	White Hot / Black Hot						
Internal Lithium Ion Battery	10+hr			9+hr			
USB, type C	Charging						
IP rating	Weather resistant						
Human Detection Range	475 m	625 m	920 m	535 m	910 m	1510 m	1700 m
Human Recognition Range	240 m	315 m	595 m	380 m	455 m	680 m	700 m
Human Identification Range	160 m	210 m	305 m	230 m	290 m	340 m	400 m
Operating Temperature	-20°F to +120°F / -28°C to 48°C						
Dimensions	7.7" x 3" x 2.6" / 196x76x66 mm						
Weight	1.2 lb / 560 g						
Warranty	3 Years						

*Specifications subject to change without notice.



TTVL-XLT SERIES HANDHELD THERMAL MONOCULARS



19 mm

25 mm

KEY FEATURES

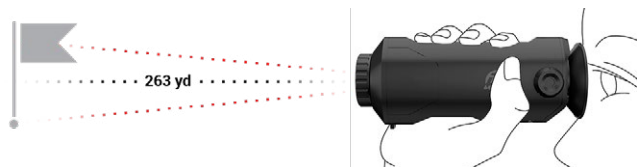
- ERGONOMIC DESIGN
- RANGEFINDER
- RECORD VIDEO
- COLOR MODES
- USB TYPE C

DESCRIPTION

The handheld thermal monocular is a handheld device for observation, highest temperature target tracking, distance measurement. The high-sensitivity built-in thermal detector provides you with clear view even in total darkness. The device is mainly applied to outdoor scenarios such as patrolling, law enforcement, search and rescue, drug enforcement, anti-smuggling, etc.

SMART RANGEFINDER

The device can detect the distance between the target and the observation position.



SPECIFICATIONS

	TTVL-XLT 160 2-8x	TTVL-XLT 160 2.5-10x
# Item	TTVL-119X	TTVL-125X
Lens	19 mm	25 mm
Sensor	160x120 px / 17 μm 50 Hz	
Magnification	2 – 8x	2.5 – 10x
Field of view, degrees	8.2x6.2	6.5x4.9
Core	ATN Obsidian Core LT	
Micro Display	720x540 px	
IP rating	IP67	
Charging	USB, type C	
Video Record Resolution	720x576 px	
Internal Storage	8 Gb	
Color modes	White Hot / Black Hot / Red Hot / Color	
Battery life (Li-ion)	≈10 hr	
Operating Temperature	-4°F to +131°F / -20°C to 55°C	
Dimensions	6.85" × 2.63" × 2.08" / 174 × 67 × 53 mm	
Weight	0.81 lb/370 g	
Human Detection Range, m	670	850
Human Recognition Range, m	335	425
Human Identification Range, m	170	210
Warranty	2 years	

*Specifications subject to change without notice.

<https://publicsector.atncorp.com/>

BLACK HOT / WHITE HOT COLOR MODE



*scope view

TTM SERIES THERMAL MONOCULARS



OPTIONAL ACCESSORIES



TTM HELMET MOUNT KIT



TTM UNIVERSAL HEADSET



TTM EXTENDED LIFE BATTERY PACK

KEY FEATURES

- ATN OBSIDIAN LT CORE
- USB C PORT IN OPTIONAL RECHARGEABLE BATTERY
- STEP ZOOM
- ERGONOMIC DESIGN
- LIGHT WEIGHT

DESCRIPTION

The ATN TTM has been completely redesigned from top to bottom. This thermal handheld scanner is lighter and ergonomically designed to be hand held or mounted to a helmet or headgear for observation. Slim and ergonomic, fits perfectly in your hand. Using our new Obsidian LT Core and Cutting-Edge sensors for sharp crisp images and extended range. Now you can use single use CR123A batteries or the optional rechargeable battery in this device.

This is one tool you'll want with you at all times. Giving you operational capabilities Day and Night, giving you an operational advantage to see targets through haze, fog, smoke and light foliage.

SPECIFICATIONS

	TTM 320 2-4x	TTM 320 3-6x	TTM 320 4-8x	TTM 640 1-4x	TTM 640 2-8x	TTM 640 3-12x
SKU	TTM-319U	TTM-325U	TTM-335U	TTM-619U	TTM-625U	TTM-635U
Resolution	320x240, 60 fps, 12 μm			640x480, 60 fps, 12 μm		
Magnification	2-4x	3-6x	4-8x	1-4x	2-8x	3-12x
Field of view	11.6°x8.7°	8.8°x6.6°	6.3°x4.7°	23.2°x17.4°	17.6°x13.2°	12.6°x9.4°
Core	ATN Obsidian Core LT					
Display Resolution	1280x960 px					
Eye relief	25 mm					
Color modes	White Hot / Black Hot					
Battery type	1 x CR123A (Li-ion)					
Battery life (Li-ion)	2.5 Hrs (or Optional Rechargeable Battery with 5 Hrs of runtime)					
Charging	USB, type C port is on the Optional Rechargeable Battery					
IP rating	Weather resistant					
Human Detection Range	535 m	910 m	1510 m	715 m	1250 m	1580 m
Human Recognition Range	380 m	455 m	680 m	445 m	580 m	720 m
Human Identification Range	230 m	290 m	340 m	260 m	320 m	350 m
Operating Temperature	-20°F to +120°F / -28°C to 48°C					
Dimensions	5.16"x2.8"x1.81" / 131x71x46 mm		5.71"x2.8"x2.01" / 145x71x51 mm	5.16"x2.8"x1.81" / 131x71x46 mm		5.71"x2.8"x2.01" / 145x71x51 mm
Weight	0.63 lb / 285 g		0.75 lb / 342 g	0.63 lb / 285 g		0.75 lb / 342 g
Warranty	3 years					

*Specifications subject to change without notice.

<https://publicsector.atncorp.com/>

UTIM SERIES

UNIVERSAL THERMAL IMAGING MODULE FOR AVIATION VEHICLES



The ATN UTIM universal thermal imaging module is a cutting-edge, compact, and lightweight thermal imaging solution designed specifically for integration with Small Unmanned Aerial Systems (sUAS). This advanced thermal camera offers superior thermal imaging capabilities, making it an invaluable tool for a wide range of applications including tactical surveillance, target acquisition, search & rescue, and border security.

- MULTIPLE THERMAL PALETTES
- MULTIPLE LENS CONFIGURATIONS
- EASY TO MOUNT
- HIGH-RESOLUTION THERMAL IMAGING
- EASY INTEGRATION
- COMPACT AND LIGHTWEIGHT DESIGN
- RUGGED AND WEATHERPROOF

Model	UTIM 160-1.5	UTIM 160-2.1	UTIM 160-3.1	UTIM 160-4.3	UTIM 320-3	UTIM 320-4.3	UTIM 320-6.3	UTIM 320-9	UTIM 320-12	UTIM 320-25	UTIM 320-35	UTIM 640-19	UTIM 640-25	UTIM 640-35	UTIM 640-35	
Sensor	160				320								640			
Lens	f1.5	f2.1	f3.1	f4.3	f3	f4.3	f6.3	f9	f12	f25	f35	f19	f25	f35	f35	
FOV (H)	70°	50°	35°	21°	70°	50°	35°	25°	17°	9°	6°	22°	18°	13°	13°	
Shutter	No				Yes				No				Yes			
Video Out	PAL, Digital, or Ethernet video output															
Color Palettes	White Hot/Black Hot, Red Hot, Green Hot, Fusion, Iron Glow															
Thermal Imager	Uncooled LWIR Microbolometer															
Input voltage	4.0-5.5V															
Power consumption	1.5-2W															
Reticles	Multiple Patterns & Color Options															
Operating Temperature Range	-4°F to 122°F / -20°C to 50°C															
Dimensions	2.1" x 2.1" x 1.5" / 53x53x39 mm (without lens)															
Weight	0.26 lb / 125 g	0.26 lb / 125 g	0.26 lb / 125 g	0.29 lb / 131 g	0.26 lb / 125 g	0.29 lb / 131 g	0.29 lb / 131 g	0.31 lb / 141 g	0.31 lb / 141 g	0.35 lb / 160 g	0.45 lb / 205 g	0.35 lb / 160 g	0.35 lb / 160 g	0.45 lb / 205 g	0.45 lb / 205 g	

*Specifications subject to change without notice.

TPG-7 SERIES

THERMAL RIFLE SCOPES FOR RPG-7



TPG-7 320 3-9x



TPG-7 640 3-9x



TPG-7 640 2-6x



TPG-7 384 2-8x

- LIGHT WEIGHT
- MULTIPLE RETICLES
- USB TYPE-C
- MULTIPLE RETICLES
- ULTRA LOW POWER CONSUMPTION
- BALLISTIC CALCULATOR *
- RECOIL ACTIVATED VIDEO (RAV)*
* Only for TPG-7 384 2-8x

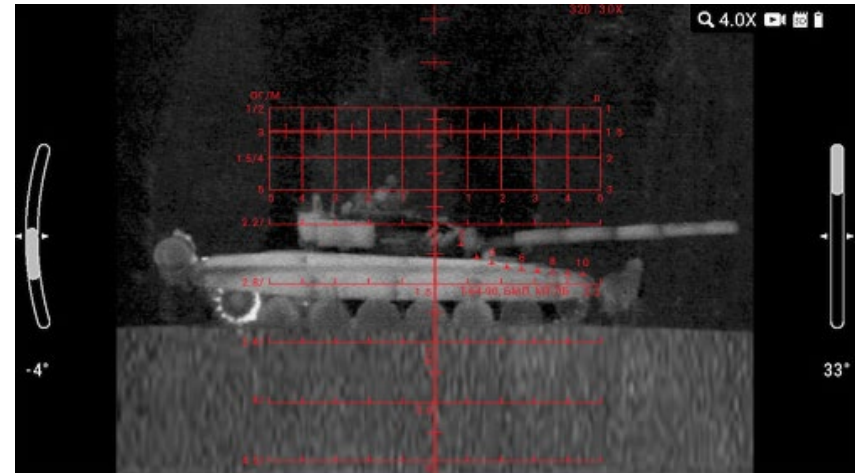
Today, the RPG-7 40-mm hand-held anti-tank grenade launcher and its modifications are in service with the armies and other armed forces of more than 50 countries, and the production of the RPG-7 and its various variants and ammunition is established in dozens of countries around the world.

This grenade launcher was specially created for use against tanks, self-propelled artillery, and other types of enemy armored vehicles, as well as against manpower both in open areas and in shelters. And with the advent of the PG-7B grenade, the infantry received an even more powerful and effective weapon for accurately capturing the impression of clusters of living targets.

The greatest efficiency of the RPG-7 fire is achieved using thermal rifle scope. The presence of RPG-7 with a thermal rifle scope in combat groups/units will undoubtedly significantly increase their fire efficiency and create an almost irreplaceable advantage over the enemy in this segment of weapons.

With a thermal rifle scope, the possibilities of using the RPG-7 expand significantly and acquire unique features. It becomes possible to use a grenade launcher in anti-sniper night warfare, greatly increasing the effectiveness of countering hostile groups and their performing reconnaissance and sabotage missions.

The TGP-7 series is created based on time-tested thermal rifle scopes from ATN, namely the Mars 4 series devices and the latest Mars LTV. Thanks to ATN thermal imaging technologies, the range of an aimed shot sometimes doubles and full-fledged combat work with an RPG-7 at night becomes absolutely possible.



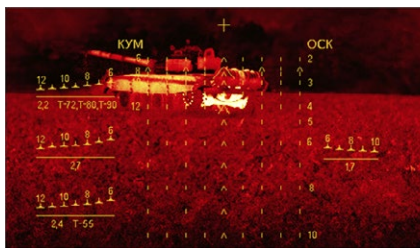
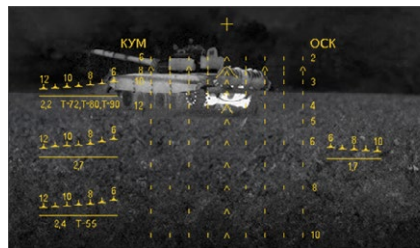
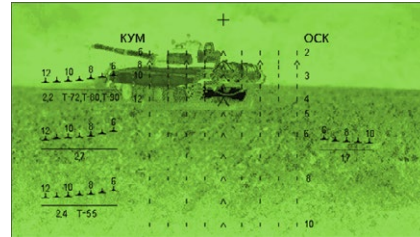
SPECIFICATIONS

Model	TPG - 7 320 3-9x	TPG - 7 640 2-6x	TPG - 7 640 3-9x	TPG - 7 384 2-8x
Resolution	320x240 12 μm	640x480 12 μm	640x480 12 μm	384x288
Video Record Resolution	1280x720 30/60 fps	1280x720 30/60 fps	1280x720 30/60 fps	1280x960 30/60 fps
Lens, mm	19	25	35	25
Magnification	3 – 9x	2X – 6X	3X – 9X	2X – 8X
Field of view, degrees	11.6°x8.7°	17.6°x13.2°	12.6°x9.4°	12° x 9,5°
Human Detection Range, m	715	740	920	960
Human Recognition Range, m	305	375	485	480
Human Identification Range, m	200	250	325	300
MicroSD, Gb	4 to 64 GB			
MicroUSB	External power supply, USB Type-C			
IP rating	IP 66	IP 66	IP 66	Weather resistant
Battery life (Li-ion), hours	>9	>9	>9	Up to 18+
Warranty, months	24	24	24	24
Dimensions	11,5" x 2,2" x 2,2"/ 292x56x55 mm	11,5" x 2,2" x 2,2"/ 292x56x55 mm	11,5" x 2,2" x 2,2"/ 292x56x55 mm	13,5" x 3" x 3"/ 343x76x76 mm
Weight	1,4 lb / 650 g	1,4 lb / 650 g	1,4 lb / 650 g	2 lb / 920 g

*Specifications subject to change without notice.

TGP-9 SERIES

THERMAL SMART HD RIFLE SCOPES FOR SPG-9



The SPG-9 recoilless gun is a powerful weapon used by infantry, marine, mechanized, and assault units. This gun is designed to destroy tanks, self-propelled artillery of all types, and other armored enemy vehicles. Moreover, the SPG-9 can be used to suppress enemy troops and fire support located in field-type shelters or light urban structures. Although primarily a thermal scope for the grenade launcher, the TGP-9 640 can be quickly readjusted and fully utilized with any firearm that matches its specifications, typically sniper rifles. The new combined aiming grid of the TGP-9 640 impresses with its shooting capabilities at range, ease of targeting, and accounting for necessary adjustments. It remains familiar to all grenade launcher operators in its functionality and general characteristics, as it retains all the effective main properties of the standard optical sight PGO-9: optimal magnification of 4.2x, convenient and familiar placement of marks, and overall informativeness.

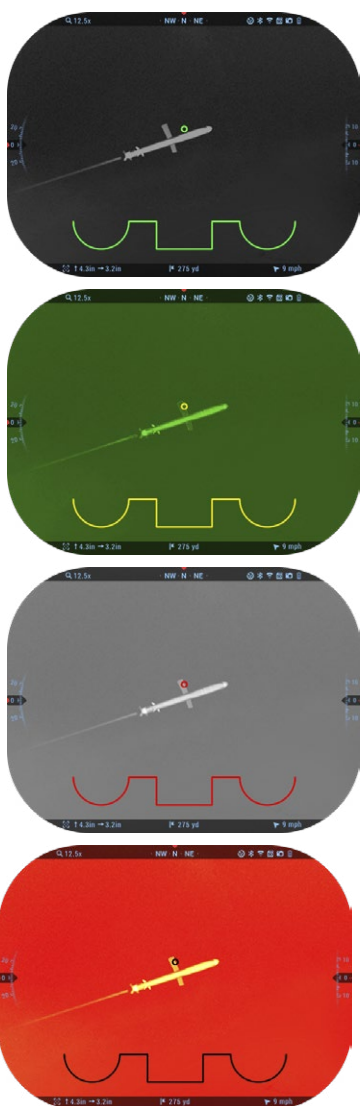
- MULTIPLE RETICLES
- LIGHT WEIGHT
- ULTRA LOW POWER CONSAPTION
- RECOIL ACTIVATED VIDEO (RAV)
- BALLISTIC CALCULATOR

Model	TPG-9 LRF 1280 4-40x	TPG-9 LRF 640 5-40x	TPG-9 640 4-40x
Sensor	1280x1024 60 fps / 12 μm	640x480 60 fps / 12 μm	640x480 / 12 μm
Video Record Resolution	1280x720 30/60 fps		
Lens, mm	90	90	50
Magnification	4 – 40X	5X – 40X	4X – 40X
Field of view, degrees	8.8°x6.6°	5.9°x4.4°	8.8°x6.6°
Human Detection Range, m	4000	3300	1670
Human Recognition Range, m	1800	1485	700
Human Identification Range, m	720	680	440
MicroSD, Gb	4 to 64 GB		
MicroUSB	External power supply USB Type-C		
IP rating	IP 66		
Battery life (Li-ion), hours	>10	>10	>9
Warranty, months	24	24	24
Dimensions, mm	341x76x56	355x76x56	292x56x55
Weight, g	930	1203	650

*Specifications subject to change without notice.

TGP-S SERIES

THERMAL SMART HD RIFLE SCOPES FOR STINGERS



ATN'S INNOVATIVE SOLUTION FOR STINGERS: ENHANCING NIGHTTIME OPERATIONS WITH ADVANCED THERMAL SCOPES

In the realm of modern warfare and defense, the ability to accurately and efficiently identify targets at night is crucial. ATN Corporation, a pioneer in thermal imaging and night vision technology, presents a groundbreaking solution for Stingers with its advanced thermal scopes.

EFFICIENT TARGET ACQUISITION WITH THERMAL IMAGING

Our thermal scopes are designed to revolutionize night operations. Equipped with cutting-edge thermal imaging technology, these scopes allow operators to detect heat signatures from various targets, including army drones, even in complete darkness. This capability is invaluable for nighttime surveillance and combat situations, providing a significant tactical advantage.

- MULTIPLE RETICLES
- LIGHT WEIGHT
- ULTRA LOW POWER CONSAPTION
- RECOIL ACTIVATED VIDEO (RAV)

Model	TPG-S LRF 1280 4-40x	TPG-S LRF 640 5-40x	TPG-S 640 4-40x
Sensor	1280x1024 60 fps / 12 μm	640x480 60 fps / 12 μm	640x480 / 12 μm
Video Record Resolution	1280x720 / 30/60 fps		
Lens, mm	90	90	50
Magnification	4 – 40X	5X – 40X	4X – 40X
Field of view, degrees	8.8°x6.6°	5.9°x4.4°	8.8°x6.6°
Human Detection Range, m	4000	3300	1670
Human Recognition Range, m	1800	1485	700
Human Identification Range, m	720	680	440
MicroSD, Gb	4 to 64 GB		
MicroUSB	External power supply USB Type-C		
IP rating	IP 66		
Battery life (Li-ion), hours	>10	>10	>9
Warranty, months	24	24	24
Dimensions, mm	341x76x56	355x76x56	292x56x55
Weight, g	930	1203	650

*Specifications subject to change without notice.

NVM14 SERIES

NIGHT VISION MULTI-PURPOSE SYSTEM



KEY FEATURES

- HEAD OR HELMET MOUNTABLE FOR HANDS-FREE USAGE
- ERGONOMIC, SIMPLE, EASY TO OPERATE CONTROLS
- WEAPON MOUNTABLE
- COMPACT, RUGGED DESIGN
- AUTOMATIC BRIGHTNESS CONTROL
- WATERPROOF
- BUILT-IN INFRARED ILLUMINATOR

OPTIONAL ACCESSORIES



ATN 3X LENS



ATN 5X LENS



ATN
PIACCANTINY
MOUNT ADAPTER



ATN DUAL
BRIDGE

SPECIFICATIONS

Total darkness IR system	Yes
Magnification	1x
Lens System	F1.2, 27 mm
Proshield lens coating	Yes
FOV	40°
Range of focus	0.25 yd/m to infinity
Diopter adjustment	-6 to +2
Controls	Direct
Automatic brightness control	Yes
Bright light cut-off	Yes
Infrared illuminator	Built-in
Infrared indicator	Yes
Low battery indicator	Yes
Power supply	1x3v CR123A or 1 AA
Battery life	50 (CR123A) or 30 (AA) hours
Environmental rating	Waterproof
Operating temperature	-40°F to +122°F / -40°C to +50°C
Storage temperature	-58°F to +158°F / -50 to +70 °C
Dimensions	4.7" x 1.9" x 2.7" / 120 x 49 x 69 mm
Weight	0.75 lbs /0.34 kg
Warranty	2 years

ITEM #	MODEL NAME	TUBE CONFIGURATION
NVMPAN142G	ATN PVS14-2G	Gen. 2 GP*
NVMPAN142W	ATN PVS14-2W	Gen. 2 WP*
NVMPAN14HPG	ATN PVS14-HPT	Gen. 2+ GP*
NVMPAN14HPW	ATN PVS14-HPT	Gen. 2+ WP*

* No Export Available

ACCESSORY PACKAGES FOR ATN PVS14

ACMPAN14LS3A	ATN 3x lens A-Focal
ACMPAN14LS05	ATN 5x lens A-Focal
ACMPAN14PCWM	ATN Piaccantiny mount adapter
ACMPAN14DB	ATN Dual Bridge

PVS14 SERIES

NIGHT VISION MULTI-PURPOSE SYSTEM



DESCRIPTION

ATNs PVS14 (1AA) is a rugged, lightweight and versatile Night Vision Monocular designed for the most demanding of nighttime applications. The ATN PVS14 (1AA) can be handheld, head/helmet-mounted for hands free usage or adapted to cameras/camcorders. Originally designed for the U.S. military, these units are of the highest quality in optics, design and functionality. The ATN PVS14 (1AA) is an outstanding choice for professional night vision applications.



ACCESSORY PACKAGES FOR ATN PVS14

ACMUHMNTMICH	ATN MICH Helmet Mount Assembly USA
ACMUHMNTPAGS	ATN PAGST Helmet Mount Assembly USA
ACMPPVSL3A	ATN 3x Mil-Spec Magnifier Lens
ACMPPVSL5A	ATN 5x Mil-Spec Magnifier Lens
ACMPPVSWM01	ATN Weapon Mount (PVS14)
ACMPPV14DB	Dual Bridge

KEY FEATURES

- MIL-STD-810
- LIGHTWEIGHT
- 1X MAGNIFICATION
- BRIGHTNESS CONTROL
- BRIGHT LIGHT CUT-OFF
- WATERPROOF
- HANDHELD OR HEAD-MOUNTED AS SINGLE EYE GOGGLE

SPECIFICATIONS

Total darkness IR system	Yes
Magnification	1x
Lens System	F1.2, 27 mm
Proshield lens coating	Yes
FOV	40°
Range of focus	0.25 yd/m to infinity
Diopter adjustment	-5 to +2
Controls	Direct
Automatic brightness control	Yes
Bright light cut-off	Yes
Infrared illuminator	Built-in
Infrared indicator	Yes
Low battery indicator	Yes
Power supply	1 x 1.5V (AA type battery)
Battery life	50 hours
Environmental rating	Waterproof
Operating temperature	-60°F to +120°F / -51°C to +49°C
Storage temperature	-60°F to +185°F / -51 to +85 °C
Dimensions	4.5" x 2.2" x 2" / 114 x 56 x 50 mm
Weight	0.75 lbs / 0.34 kg
Warranty	2 years

ITEM #	MODEL NAME	TUBE CONFIGURATION
NVMPPVS142G	ATN PVS14-2	Gen. 2 GP*
NVMPPVS142W	ATN PVS14-2	Gen. 2 WP*
NVMPPVS14HPG	ATN PVS14-HPT	Gen. 2 GP*
NVMPPVS14HPW	ATN PVS14-HPT	Gen. 2 WP*
NVMPPVS143WHP	ATN PVS14-3WHPT	Gen. 3WHPT*
NVMPPVS143HFW	ATN PVS14-3HFW	Gen. 3HFW*
NVMPPVS1452G	ATN PVS14-2, 51 FOV	Gen. 2 GP*
NVMPPVS1452W	ATN PVS14-2, 51 FOV	Gen. 2 WP*
NVMPPVS145HPG	ATN PVS14-HPT, 51 FOV	Gen. 2+ GP*
NVMPPVS145HPW	ATN PVS14-HPT, 51 FOV	Gen. 2+ WP*
NVMPPVS1453WHP	ATN PVS14-3WHPT, 51 FOV	Gen. 3WHPT*
NVMPPVS1453HFW	ATN PVS14-3HFW, 51 FOV	Gen. 3HFW*

* No Export Available

NVG7 SERIES NIGHT VISION GOGGLES



ITEM #	MODEL NAME	TUBE CONFIGURATION
NVGONVG72G	NVG7-2G	Gen. 2GP*
NVGONVG72W	NVG7-2W	Gen. 2WP*

* No Export Available

ACCESSORY PACKAGES FOR ATN PVS14	
ACGONVG75X	5x Magnifier Lens
ACGONVG78X	8x Magnifier Lens

OPTIONAL ACCESSORIES



ATN 5X
MAGNIFIER LENS



ATN 8X
MAGNIFIER LENS

KEY FEATURES

- LIGHTWEIGHT, COMPACT RUGGED GOGGLE SYSTEM
- MULTI-PURPOSE: HAND-HELD, HEAD-MOUNTED OR HELMET-MOUNTED
- COMFORTABLE, FLIP-UP HEADGEAR
- MULTI-COATED ALL-GLASS OPTICS
- WIDE ANGLE INFRARED ILLUMINATOR
- HEAD MOUNT INCLUDED
- ADJUSTABLE INTERPUPILLARY DISTANCE
- OPTIONAL 5X AND 8X LENSES AVAILABLE

SPECIFICATIONS

Total darkness IR system	Yes
Magnification	1x
Lens System	F1.2, 26 mm
Proshield lens coating	Yes
FOV	40°
Range of focus	1 yd/m to infinity
Diopter adjustment	-6 to +2
Controls	Direct
Automatic brightness control	Yes
Bright light cut-off	Yes
Infrared illuminator	Built-in
Infrared indicator	Yes
Low battery indicator	Yes
Power supply	1 x 3V (CR123A)
Battery life	60 hours
Environmental rating	Waterproof
Operating temperature	-40°F to +122°F / -40°C to +50°C
Storage temperature	-58°F to +158°F / -50 to +70 °C
Dimensions	6.3" x 6" x 3" / 160 x 150 x 75 mm
Weight	1.1 lbs /0.5 kg
Warranty	2 years

PVS7 SERIES NIGHT VISION GOGGLES



KEY FEATURES

- HANDHELD, HEAD-MOUNTED OR HELMET-MOUNTED
- WATERPROOF
- USE TWO AA TYPE BATTERY
- 1X MAGNIFICATION
- STANDARD MILITARY ISSUE
- COMBAT PROVEN
- ONE-KNOB OPERATION
- BUILT-IN INFRARED ILLUMINATOR

DESCRIPTION

The ATN PVS7 Night Vision Goggles is a robust, dependable, high-performance Night Vision System. The ATN PVS7 Night Vision Device is identical to the AN/PVS-7 model and is adopted as a standard issue to U.S. Army ground troops, designed to assist viewing and provide reliable service in the most unfavorable conditions. Full U.S. Mil-Spec body with optical assembly, soft carrying case, demist shield, sacrificial filter for objective lenses, shoulder strap, head-mount assembly with 3 brow pads, lens tissue, neck cord and front lens cap.

SPECIFICATIONS

Total darkness IR system	Yes
Magnification	1x
Lens System	F1.2, 27 mm
FOV	40°
Range of focus	0.25 yd/m to infinity
Diopter adjustment	-6 to +2
Controls	Direct
Automatic brightness control	Yes
Bright light cut-off	Yes
Infrared illuminator	Built-in
Infrared indicator	Yes
Low battery indicator	Yes
Power supply	2 x 1,5V(AA type battery)
Battery life	60 hours
Environmental rating	Waterproof
Operating temperature	-60°F to +120°F / -51°C to +49°C
Storage temperature	-60°F to +185°F / -51 to +85°C
Dimensions	6,4" X 3" X 6" / 162 X 76 X 152 mm
Weight	1.5 lbs /0.68 kg
Warranty	2 years

ITEM #	MODEL NAME	TUBE CONFIGURATION
NVGOPVS7HP	PVS7-HPT	Gen. 2GP+*
NVGOPVS7W0	PVS7-WPT	Gen. 2WP+*
NVGOPVS73WHP	PVS7-3WHPT	Gen. 3*

ACCESSORY PACKAGES FOR ATN PVS14

ACMUHMNTMICH	ATN MICH Helmet Mount Assembly USA
ACMUHMNTPAGS	ATN PAGST Helmet Mount Assembly USA
ACMPPVSL3A	ATN 3x Mil-Spec Magnifier Lens
ACMPPVSL5A	ATN 5x Mil-Spec Magnifier Lens

OPTIONAL ACCESSORIES



ATN 3X MIL-SPEC
MAGNIFIER LENS



ATN 5X MIL-SPEC
MAGNIFIER LENS



PS31 SERIES NIGHT VISION GOGGLES



ITEM #	MODEL NAME	TUBE CONFIGURATION
NVGOPS3142G	ATN PS31-2 GP	Gen. 2+*
NVGOPS3142W	ATN PS31-2 WP	Gen. 2+*
NVGOPS314HPG	ATN PS31-HPT GF	Gen. 2+*
NVGOPS314HPW	ATN PS31-HPT WP	Gen. 2+*
NVGOPS3143HPW	ATN PS31-3HFW GF	Gen. 3*
NVGOPS3143HFW	ATN PS31-3HFW WP	Gen. 3WPT*
NVGOPS3152G	ATN PS31-2, 51 FOV, GP	Gen. 3*
NVGOPS3152W	ATN PS31-2, 51 FOV, WP	Gen. 2+*
NVGOPS315HPG	ATN PS31-HPT, 51 FOV, GP	Gen. 2+*
NVGOPS315HPW	ATN PS31-HPT, 51 FOV, WP	Gen. 2+*
NVGOPS3153HPW	ATN PS31-3HFW, 51 FOV, GP	Gen. 3*
NVGOPS3153HFW	ATN PS31-3HFW, 51 FOV, WP	Gen. 3*

* No Export Available

KEY FEATURES

- DUAL IMAGE INTENSIFIER TUBES
- MIL-SPEC HIGH-RESOLUTION OPTICS
- ADJUSTABLE INTERPUPILLARY DISTANCE
- MULTI-COATED LENSES
- BUILT-IN INFRARED (IR) ILLUMINATOR
- WATERPROOF AND SHOCKPROOF
- LONG-LASTING BATTERY LIFE
- MANUAL GAIN CONTROL

ACCESSORY PACKAGES FOR ATN PS31

ACGOPS31LS3P	Set 3x lenses
ACMUHMNTDVTL	Dovetail helmet mount USA

SPECIFICATIONS

Total darkness IR system	Yes
Magnification	1x
Lens System	19 mm, F/1.26
Proshield lens coating	Yes
FOV	40° / 51°
Range of focus	0.25 yd/m to infinity
Diopter adjustment	-6 to +2 diopters
Manual Gain Control	Yes
Interpupillary Distance	54 to 88 mm
Bright light cut-off	Yes
Infrared illuminator	Yes
Power supply	(1) CR123A
Battery life	≥ 20 hrs. on (1) CR123A lithium battery
Operating temperature	-40° to +122°F / -40° to +50°C
Storage temperature	-58° to +158°F / -50° to +70°C
Dimensions	4.4" x 4.15" x 3.4" / 112x105x86 mm
Weight	1.28 lb /580 g
Warranty	2 years





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OF OPTICS

2024



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