



THE FUTURE OF OPTICS















www.atneu.com



DAY.
NIGHT.
THERMAL.

2020



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SMART HD OPTICS

What are Smart HD Optics?

Smart HD Optics are nothing short of the most advanced electro-optics available.

Smart HD Optics bring the modern technology of smart phones, digital cameras and military electro-optics to the analog sporting optics market, creating a whole new revolutionary sporting optics field! ATN's Smart HD Optics now comprise the majority of our product line from day/night sights, binoculars and spotting scopes to thermal scopes, binoculars and viewers. Each and every one of these devices are powered by the ATN Obsidian Core.

Offering unprecedented features and improved image performance, the Obsidian Core has transformed ATN's product line, and has set a new standard for our industry. The Obsidian Core is a sensor-neutral micro-computer powered by an advanced ARM based processor, that hosts an array of sensors. Utilizing a Full HD (1920x1080) sensor for our day/night systems and either a 640x480 or 384x288 thermal sensor for our new HD thermal line of products. The Obsidian Core creates a uniform platform for our Smart HD devices.

Our all new Smart HD systems offer you many of the same features and functions you are now familiar with from our other SMART HD product lines. Utilizing the same intuitive UI (User Interface) and mobile Obsidian app platform. Once familiar with one of our Smart HD devices, using any other device is simple. All our smart systems offer high definition onboard video recording and photo capture; making sharing your experiences a breeze. Plenty of processing power, also means that these systems offer new and improved image quality and performance. And since now all our new scopes are powered by the Obsidian Core, we can pass on the savings and make our products more affordable.

ULTRA HD OPTICS

ATN is proud to deliver the next generation in innovation. Ultra HD Optics offers you image quality never before seen in digital optics. ATN's new 4K "True Color" Sensor is capable of capturing crisp clear images at the furthest ranges with increased color resolution and smooth gradations from darkness to light. All 4th Gen Optics have been redesigned to meet strict 600 lp/mm specifications to match our 4K sensor performance. The new Dual 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 Optics have to offer.

THE FUTURE OF OPTICS IS HERE!



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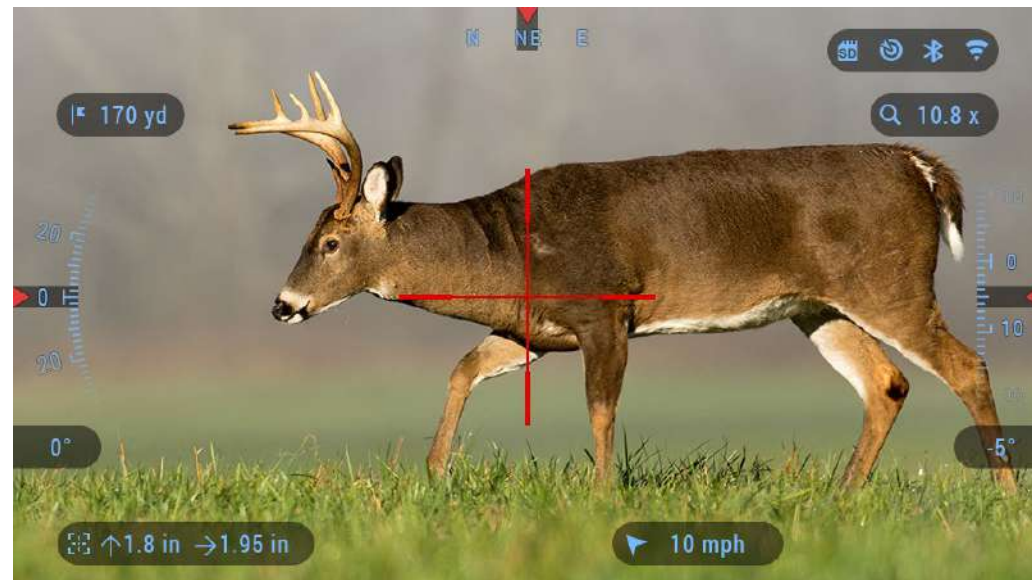
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ULTRA HD SENSOR WITH ULTRA HD OPTICS



Ultra HD Optics with the ATN Revolutionary Ultra HD Sensor gives you an Incredibly crisp picture from any distancedistance, and the HD zoom offers you the ultimate smooth digital zoom transition.



**ULTRA
HD
SENSOR**



*Available only in X-Sight 4K Series

VIDEO RECORD

Record your Hunting Adventures in Full HD at Lighting Fast 120 fps.



**1080P
Full HD**

120 fps

Make capturing your experiences in stunning 1080p full HD a regular part of your adventures. No more missed opportunities of that once in a lifetime moment.

Record videos and capture photos to bring your adventures back home to share with friends, family and on social media.

*Available only in X-Sight 4K Series, 120 fps Day mode only w/loss of widgets

CLASSIC ERGONOMICS EASY TO MOUNT – EASY TO USE



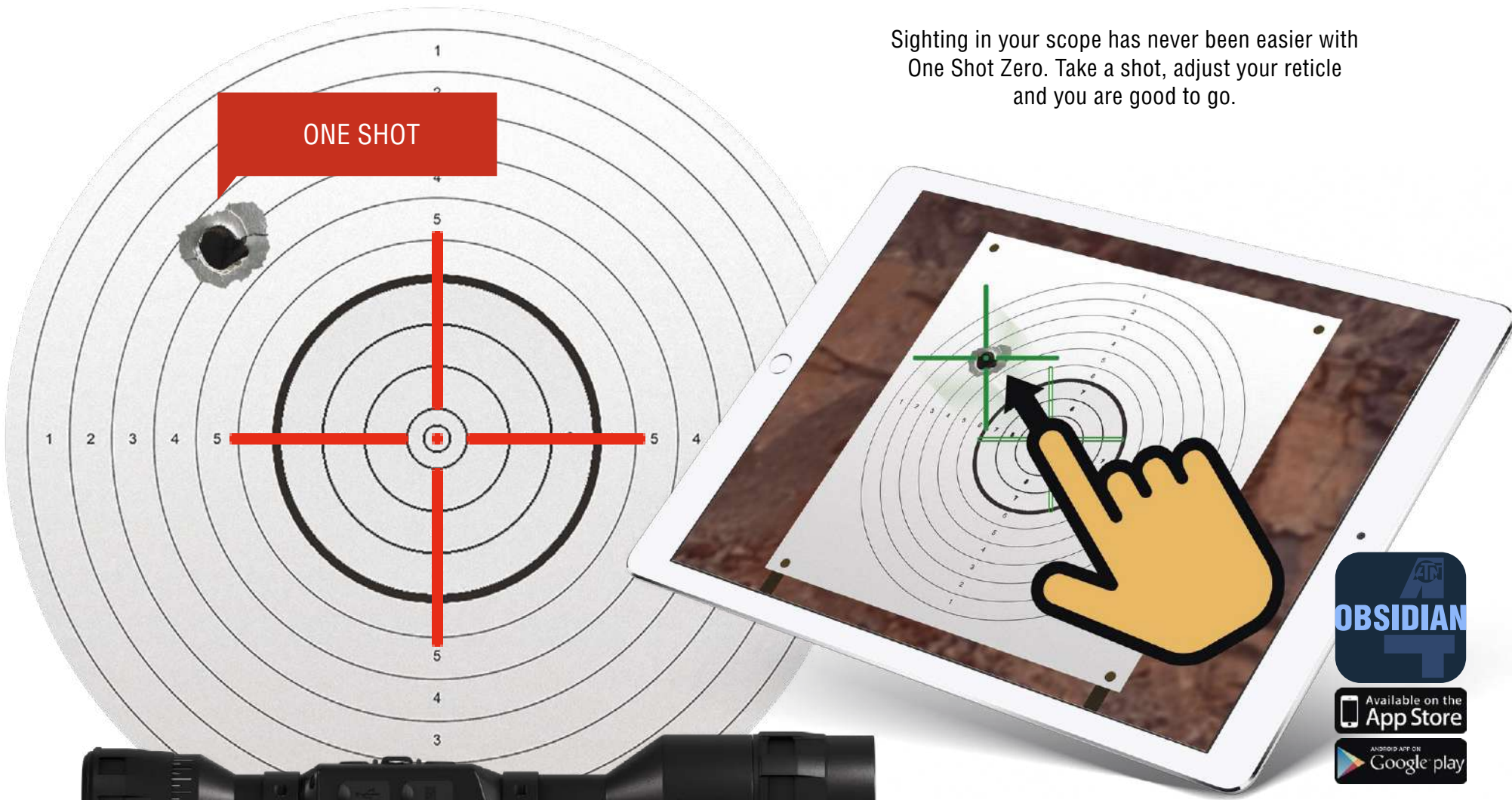
Designed to make your Shooting Experience easy and familiar.



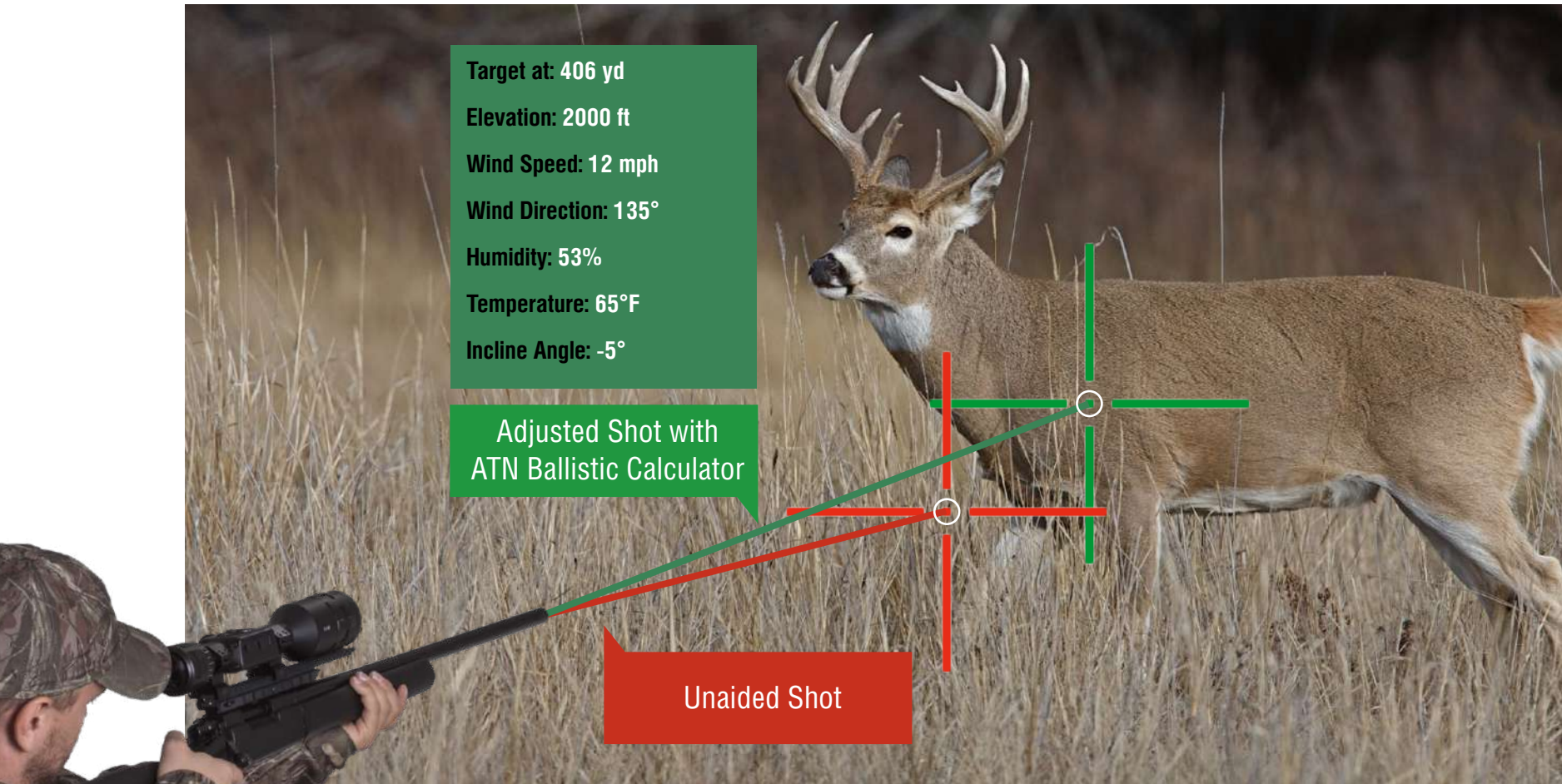
Easy to zoom Scroll Wheel for a more natural zoom adjustment. Improved user functionality and intuitive operating system.

ONE SHOT ZERO

Sighting in your scope has never been easier with One Shot Zero. Take a shot, adjust your reticle and you are good to go.



BALLISTIC CALCULATOR

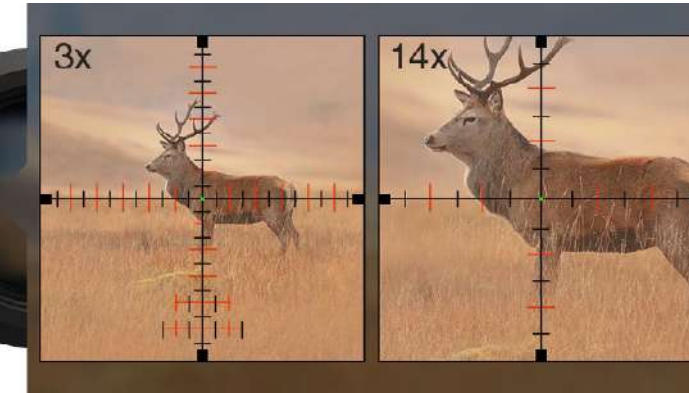
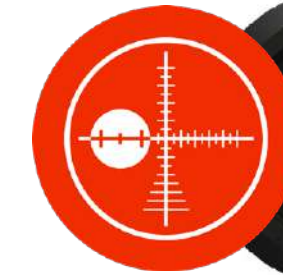
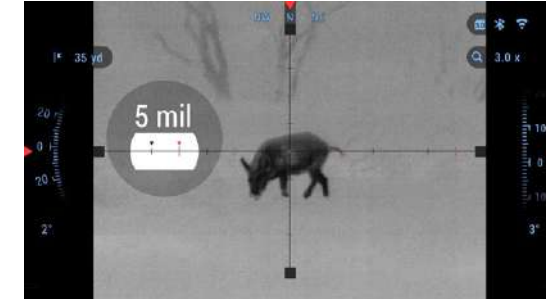


Hunt responsibly by making sure your shot hits the target, Each and Every Time. Range, Wind, Multiple-Weapon Profiles, Angle to Target, Temperature, Humidity, more...

SMART MIL DOT RETICLE

NOW DEPENDING ON YOUR LOAD, YOU CAN PROGRAM THE VARIANCE BETWEEN HASH MARKS IN MILS AND MOA INTO THIS SMART MIL DOT RETICLE.

Once again ATN pushes the envelope and is releasing a Smart Programmable Mil Dot reticle as a Free feature into its current line of Smart HD optics. This innovation has been requested and highly anticipated by both ATN customers and the shooting community.

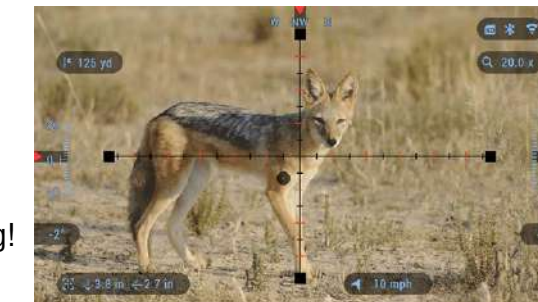


DYNAMIC AND ADJUSTS WITH MAGNIFICATION THROUGHOUT THE ENTIRE ZOOM RANGE

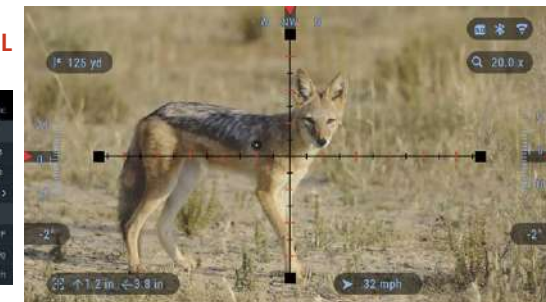
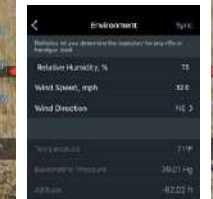
That's right no more only using Mil Dot reticles on base or predefined magnification for your load. Now with ATNs Smart Mil Dot reticle we take the guesswork out of the equation and always keep you on target!

ATN BALLISTICS

Did we mention, you can use it with the ATN Ballistic Calculator. Which will give you instantaneous POI adjustments with a Teal dot, on the reticle, giving you exactly where to place your hold over. Happy Shooting!



ENVIRONMENTAL CHANGES



INCLUDED WITH:



X-Sight 4K Pro Series
DAY & NIGHT SMART HD RIFLE SCOPES



Mars 4 Series
THERMAL SMART HD RIFLE SCOPES

DUAL STREAM VIDEO

HUNT
ULTRA HD
SENSOR

+

RECORD
1080P
Full HD

+

STREAM
720p



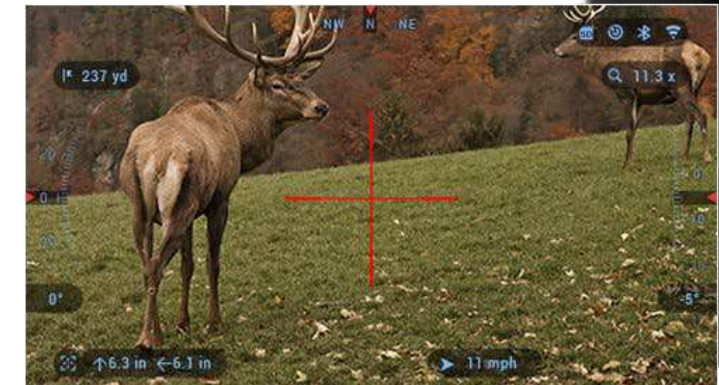
You asked and we listened. Obsidian 4 not only Streams Video in HD resolution, but now can also simultaneously Record to the SD card inside the scope.

RAV RECOIL ACTIVATED VIDEO

Never miss that Excellent Hunting Moment. Turn on RAV and let the ATN Smart HD Scope Record directly to your SD card.



Recoil Activated Video (RAV) takes care of all your worries. Just relax and focus on your game, and let the Obsidian Core do the heavy lifting.



BEFORE



AFTER



LASER RANGEFINDER FOR NIGHT USE



BINOX 4K
DAY & NIGHT SMART HD BINOCULAR
W/ BUILT-IN LASER RANGEFINDER

BINOX 4T
THERMAL SMART HD BINOCULAR
W/ BUILT-IN 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 to know how far you need to trek to your next waypoint.

RECOIL RESISTANT

Designed to withstand the pressures of High Caliber weapons. The X-Sight 4K and Mars 4 are built out of Hardened Aluminum Alloy with Impact Resistant Electronics.

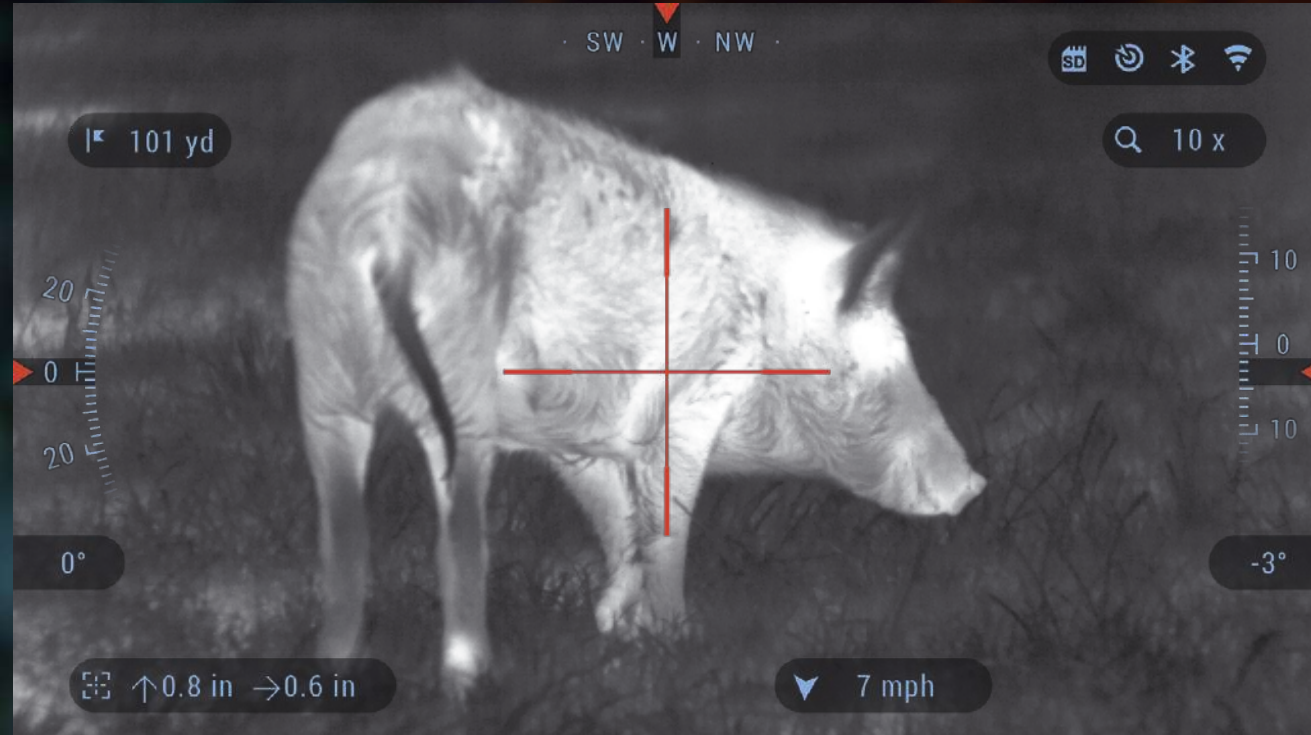


ULTRA LOW POWER CONSUMPTION

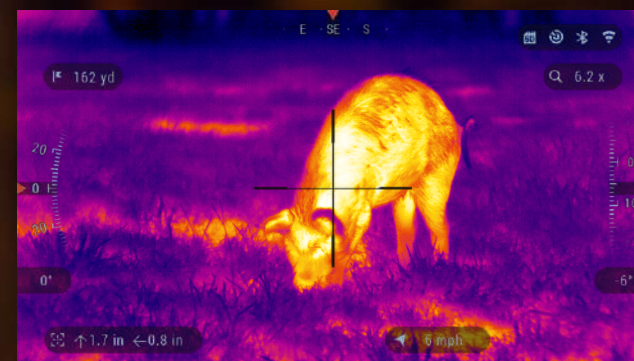


Our new Dual Core Processor not only runs fast, but runs cool. 1st ever digital scope with over 18+ hrs of continuous battery power.

THERMAL MODE



* scope view



What you've been asking for is finally here — a thermal scope combined with Smart HD features. We've combined the next generation thermal sensor with our Obsidian Core giving you the best of both worlds.

Detect your prey with the power of thermal. Take your shot with confidence, using the help of a Ballistic Calculator. Record everything with the press of a button. Share with your friends and family.

Now that's power!

*Thermal Mode applicable to Mars 4, Mars LT, TICO LT, OTS LT and BinoX 4T models only.

NIGHT VISION MODE



* binocular view



The ATN Obsidian Core is the technology behind our SMART HD optics. Powered by the industry's most advanced digital image processing architecture; our revolutionary night vision optic lines are equipped with cutting-edge 4K Ultra HD Sensor and a Dual Core Processor. These technologically advanced products will deliver a picture quality that is unmatched, with no loss of resolution up to 10X the magnification! Our intuitive user interface also provides the operator with an easy to use menu options, and the convenience, efficiency and valuable dual-purpose functionality you would want from an optic.

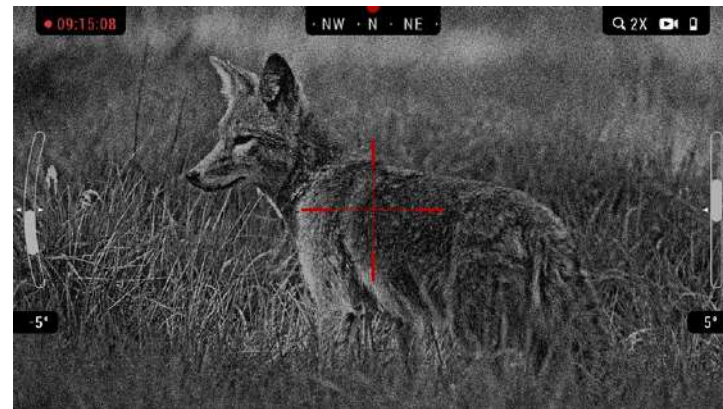
**Night vision available in all non-thermal models, except X-Sight 4K Buck Hunter Series.



X-SIGHT LTV SERIES

DAY & NIGHT DIGITAL RIFLE SCOPES

COMING
SOON



* scope view



* scope view



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

IMAGE QUALITY

RECORD HD VIDEO

The X-Sight LTV records in stunning HD quality all your latest adventures 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.



DESCRIPTION

The latest in ATNs HD Optics. The ATN X-Sight LTV 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, hunt all night with a 10+ hour battery life. Mount on any platform with standard 30 mm rings. ATN X-Sight LTV — the digital scope for the masses.

SPECIFICATIONS

	X-Sight LTV 3-9x	X-Sight LTV 5-15x
Item #	DGWSXS309LTV	DGWSXS515LTV
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	1920x1080	
Micro SD Card	4 Gb to 64 Gb	
USB, type C	Yes	
Mount	30 mm Standard Rings (not 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)	55x55x310 mm	55x55x330 mm
Weight	745 g	780 g
Warranty	2 years	

*Specifications subject to change without notice.



OPTIONAL ACCESSORIES



ATN IR850 SUPERNOVA
IR ILLUMINATOR



ATN IR850 PRO
IR ILLUMINATOR



ATN QUICK DETACH MOUNT

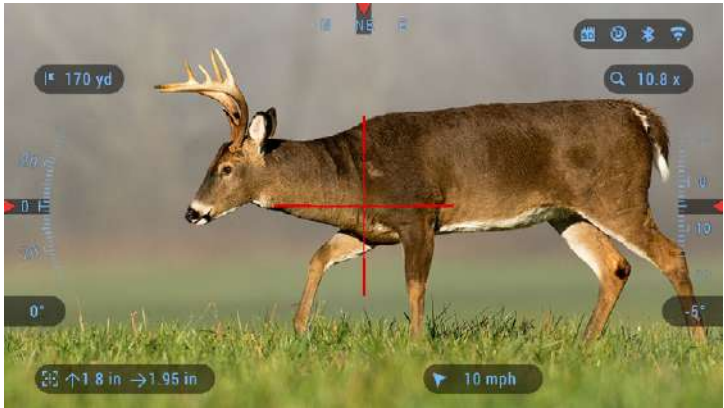
DAY/NIGHT MODE
 RECORD HD VIDEO

MULTIPLE RETICLES
 3D GYROSCOPE

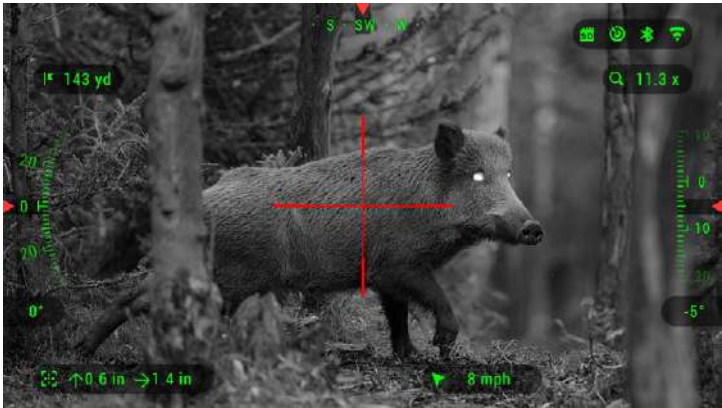
LONG LASTING
INTERNAL BATTERY

X-SIGHT 4K PRO SERIES

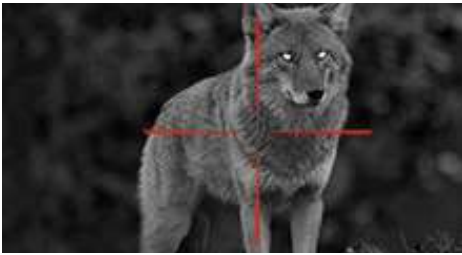
DAY & NIGHT SMART HD RIFLE SCOPES



* scope view



* scope view



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.

IMAGE QUALITY

 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

RECORD HD VIDEO



This feature gives you the opportunity to capture your experiences in 1080p full HD and 120 fps. Using an SD card allows you to record your adventures without any additional USB cables. Never missing a chance to catch your moment on 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.

SPECIFICATIONS

	X-Sight 4K Pro 3-14x	X-Sight 4K Pro 5-20x
Item #	DGWSXS3144KP	DGWSXS5204KP
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	
Bluetooth	Yes	
3D Gyroscope	Yes	
3D Accelerometer	Yes	
E-Barometer	Yes	
Smart Rangefinder	Yes	
Smart Mil Dot reticle	Yes	
RAV (Recoil Activated Video)	Yes	
Electronic Compass	Yes	
Smooth Zoom	Yes	
Night Vision Mode	Yes	
Reticles	Multiple Patterns & Color Options	
Microphone	Yes	
Micro SD card	4 to 64 GB	
USB, type C	Yes	
Mount	30 mm Standard Rings (included)	
IR Illuminator	Included	
Battery life (Liion)	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.

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OPTIONAL ACCESSORIES



ATN X-TRAC
REMOTE CONTROL



AUXILIARY BALLISTIC LASER
RANGEFINDER SERIES



ATN LASERBALLISTICS
RANGEFINDER SERIES



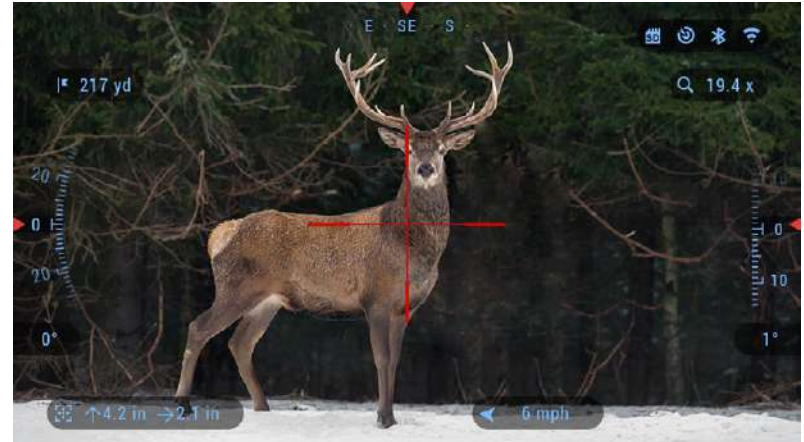
ATN IR 850 PRO
IR ILLUMINATOR



ATN QUICK
DETACH MOUNT

X-SIGHT 4K BUCK HUNTER SERIES

DAYTIME SMART HD RIFLE SCOPES



*scope view

- 120 fps 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

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 and 120 fps. Using an SD card allows you to record your adventures without any additional USB cables. Never missing a chance to catch your moment on 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.

	X-Sight 4K BH 3-14x	X-Sight 4K BH 5-20x
Item #	DGWSXS3144KB	DGWSXS5204KB
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	
Bluetooth	Yes	
3D Gyroscope	Yes	
3D Accelerometer	Yes	
E-Barometer	Yes	
Smart Rangefinder	Yes	
RAV (Recoil Activated Video)	Yes	
Smart Mil Dot Reticle	Yes	
Electronic Compass	Yes	
Smooth Zoom	Yes	
Night Vision Mode	-	
Reticles	Multiple Patterns & Color Options	
Microphone	Yes	
Micro SD card	4 to 64 GB	
USB, type C	Yes	
Mount	30 mm Standard Rings (not included)	
IR Illuminator	No	
Battery life (Liion)	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.



OPTIONAL ACCESSORIES

- ATN QUICK DETACH MOUNT**
The ATN Quick Detach Mount is a great addition for your new X-Sight 4K or Mars 4. Take advantage of the profile manager of your scope, move it from platform to platform and still retain zero.
- ABL RANGEFINDER SERIES**
Simple and Quick to attach, the ABL takes just minutes to install. Once active, your ATN Smart Scope's internal Ballistic Calculator will make Instantaneous POI adjustments to your reticle.
- ATN X-TRAC REMOTE CONTROL**
ATN X-TRAC Tactical Remote Access Control System provides control over various features of your ATN Smart device such as Ballistic Calculator, Rangefinder, etc.
- ATN LASER RANGEFINDER SERIES**
With ATN's Laster Ballistics Digital Rangefinder, you have the ability to accurately measure the distance to your target, within ±1 yard or less.

MARS LT SERIES

THERMAL RIFLE SCOPES

ATN strives to make thermal imaging technology more available to the consumer by optimizing our production process. Known for quality, affordable SMART HD thermal and night vision optics. We have upgraded to the New Cutting-Edge 320x240 12um resolution sensor for our optics line. This powerful, compact thermal unit gives consumers an option that will elevate their hunt, the ATN Mars LT!



*Scope view ** Upgraded 320x240 12µm sensor

LIGHT WEIGHT

The Mars LT is the lightest Thermal Scope in the ATN Mars line, providing more versatility to mount to a Crossbow, Air Rifle, or other platforms where weight is a critical factor.



1.4 lb  650 g

ULTRA LOW POWER CONSUMPTION

The new internal lithium Ion battery will keep you hunting late into the evening or those early morning hours, with an incredible 10+ hrs of run time. Saving you money on buying multiple reusable or one-time use batteries.



CLASSIC ERGONOMICS EASY TO MOUNT – EASY TO USE

Easy to mount with standard 30 mm rings, and easy to navigate controls that takes away from the learning curve and gets you out in the field hunting faster. We've removed all the bells and whistles to give you a simple to use thermal scope.



SPECIFICATIONS

	MARS LT 160		MARS LT 320		
Item #	MSLT1619	MSLT1625	MSLT3219	MSLT3225	MSLT3235
Objective lens	19 mm	25 mm	19 mm	25 mm	35 mm
Resolution	160x120 px / 17 μm		320x240 px / 12 μm		
Magnification	3-6x	4-8x	2-4x	3-6x	4-8x
Field of view	8.1°x6.2°	6.2°x4.7°	11.6°x8.7°	8.8°x6.6°	6.3°x4.7°
Display Resolution			1280x720 px		
Eye relief			90 mm		
3D Accelerometer			Yes	<div>COMING SOON</div>	
Color modes			White Hot / Black Hot		
Reticles			Multiple Patterns		
USB, type C			Yes		
Mount			30 mm Standard Rings (not included)		
Internal Lithium Ion Battery			10+ hrs		
IP rating			Weather resistant		
Human Detection Range	475 m	625 m	715 m	910 m	1510 m
Human Recognition Range	240 m	315 m	305 m	455 m	680 m
Human Identification Range	160 m	210 m	200 m	290 m	400 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

OPTIONAL ACCESSORY



ATN QUICK DETACH MOUNT

The ATN Quick Detach Mount is a great addition for your Mars LT. Take advantage of the profile manager of your scope, move it from platform to platform and still retain zero.

MARS 4 SERIES

THERMAL SMART HD RIFLE SCOPES



640 1-8x
384 1.25-5x



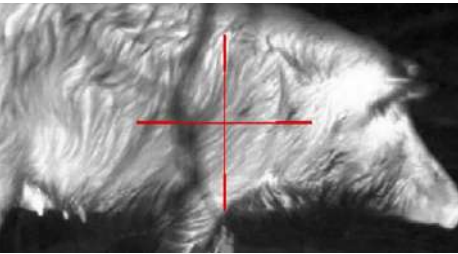
640 1.5-15x
384 2-8x



640 2.5-20x
384 4.5-18x



640 4-40x
384 7-28x



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.

- BALLISTIC CALCULATOR
- RECOIL ACTIVATED VIDEO (RAV)
- SMART RANGE FINDER

- E-COMPASS
- DUAL CORE PROCESSOR
- SHARE ON SOCIAL MEDIA

- ONE SHOT ZERO
- ULTRA LOW POWER CONSUMPTION
- PROFILE MANAGER

RECORD VIDEO



BALLISTIC CALCULATOR



DUAL STREAM VIDEO



OPTIONAL ACCESSORIES



ATN QUICK DETACH MOUNT



ATN X-TRAC REMOTE CONTROL



AUXILIARY BALLISTIC LASER RANGEFINDER SERIES

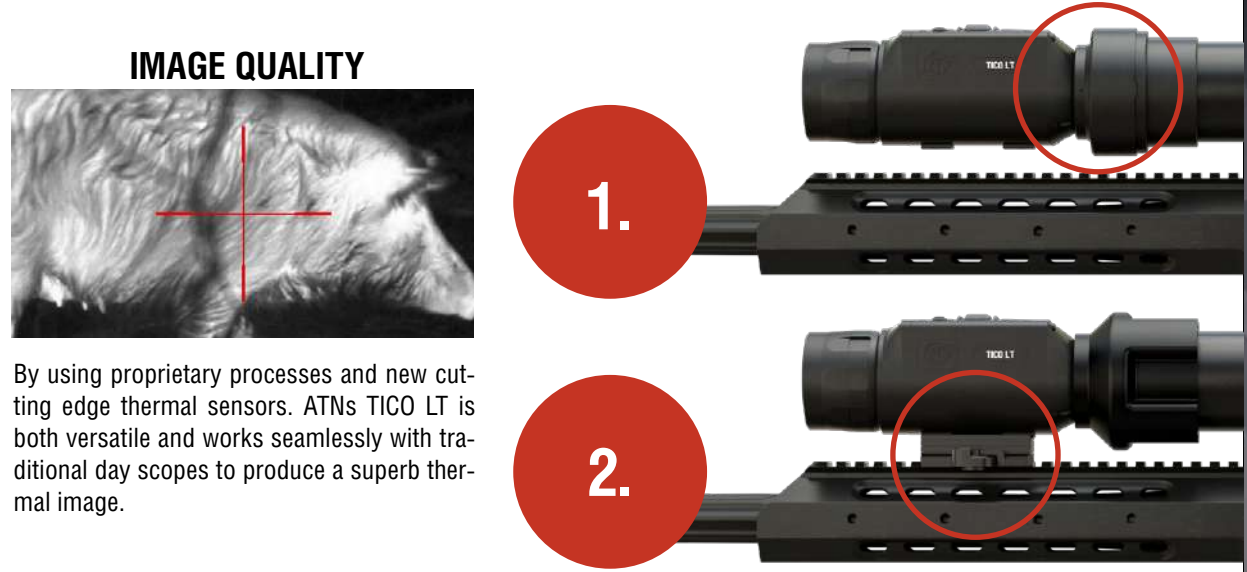
SPECIFICATIONS

	MARS 4 384 1.25-5x	MARS 4 384 2-8x	MARS 4 384 4.5-18x	MARS 4 384 7-28x	MARS 4 640 1-8x	MARS 4 640 1.5-15x	MARS 4 640 2.5-20x	MARS 4 640 4-40x
Item #	MS4K3819	MS4K3825	MS4K3850	MS4K3875	MS4K6419	MS4K6425	MS4K6450	MS4K6475
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°	6°x4.7°
Core	ATN Obsidian IV Dual Core T							
Micro Display	1280x720 HD Display							
Eye relief	90 mm							
Video Record Resolution	1280x960 @ 30/60 fps							
Ballistic Calculator	Yes							
WiFi (Streaming, Gallery, & Controls)	iOS & Android							
Bluetooth	Yes							
3D Gyroscope	Yes							
3D Accelerometer	Yes							
E-Barometer	Yes							
Smart Range Finder	Yes							
RAV (Recoil Activated Video)	Yes							
Electronic Compass	Yes							
Smooth Zoom	Yes							
Reticles	Multiple Patterns & Color Options							
Microphone	Yes							
Micro SD card	From 4 to 64 Gb							
Micro 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"	13.5"×3"×3"	13.8"×3"×3"	14.8"×3"×3"	13.1"×3"×3"	13.5"×3"×3"	13.8"×3"×3"	14.8"×3"×3"
	332×76×76 mm	343×76×76 mm	351×76×76 mm	375×176×76 mm	332×76×76 mm	343×76×76 mm	351×76×76 mm	375×176×76 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	2 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



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



SPECIFICATIONS

	TICO LT 160		TICO LT 320		
Item #	TICOTLT119X	TICOTLT125X	TICOTLT325X	TICOTLT335X	TICOTLT350X
Lens	19 mm	25 mm	25 mm	35 mm	50 mm
Resolution	160x120, 17 µm		320x240, 12 µm		
Magnification	0.5-1x	1-2x	0.5-1x	1-2x	1.5-3x
Field of view	8.1°x6.2°	6.2°x4.7°	8.8°x6.6°	6.3°x4.7°	4.5°x3°
Display Resolution	1280x960 px				
Color modes	White Hot / Black Hot				
USB, type C	Yes				
Mount	AD-170 (optional)				
Clip On Adapter	Scope Adapter 1 (45.5-50 Included) Scope Adapter 2 (51.6-59 Optional) Scope Adapter 3 (60-65 Optional)				
Internal Lithium Ion Battery	9+ hrs		8+ hrs		
IP rating	Weather resistant				
Human Detection Range	475 m	625 m	910 m	1510 m	1700 m
Human Recognition Range	240 m	315 m	455 m	680 m	700 m
Human Identification Range	160 m	210 m	290 m	340 m	400 m
Dimensions	151x74x66 mm (without clamp)				
Weight	540 g				
Warranty	3 years				

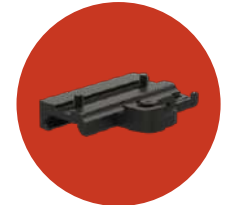
*Specifications subject to change without notice

INCLUDED ACCESSORY



SCOPE ADAPTER 1

OPTIONAL ACCESSORIES



AD-170 WEAVER QDM



SCOPE ADAPTER 2 & 3



DESCRIPTION

With so many Thermal Scope options in the marketplace. We wanted to introduce a product that will meet the needs of those traditionalists that just can't part ways with their old tech glass scopes. Introducing the newly redesigned TICO LT, a much slimmer and more ergonomic system than the previous TICO model.

Now using the latest ATN Obsidian LT Core with 12 micron sensors. For the best image quality and the extended range that customers demand. Incorporating our proprietary internal battery which will give you up 10 hours in the field use. Nothing to zero or worry about. Just mount the TICO LT in front of your glass scope and you are ready for anything Day or Night. Upgrade your platform today with the TICO LT!



BINOX 4K 4-16X

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



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.



Day Vision Mode



* binocular view

Night Vision Mode



* binocular view

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.

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 adventures. No more missed opportunities of that once in a lifetime moment. ATN expands the boundaries of Full HD video recording with rich colors and sharp details. Just insert an SD card to shoot your hunting episodes without any additional USB cables. Bring your successes back home and share with friends, family and on social media. Never miss a chance to catch your accomplishments on video.

SPECIFICATIONS

	BinoX 4K 4-16x
Item #	DGBNBN4KLRF
Sensor	ATN 4K M265 Sensor 3864 (H) x 2218 (V)
Magnification	4-16x
Field of view	220 ft
Objective lens	65 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
Bluetooth	Yes
3D Accelerometer	Yes
3D Gyroscope	Yes
3D Magnetometer	Yes
E-Barometer	Yes
Smart Rangefinder	Yes
E-Compass	Yes
Smooth Zoom	Yes
Night Vision Mode	Yes
Microphone	Yes
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.

www.atneu.com tel: +44 (0)1432 809 960



DESCRIPTION

ATN's revolutionary SMART HD technology, like the 4K Ultra HD Sensor and Dual Core Processor, have now been introduced to our binocular line! The ATN BinoX 4K 4-16x Day & Night Smart HD Binocular is the tool that will change your next outdoor adventure. Scanning and recovery efforts will be a breeze with ATN's BinoX 4K!

Integrating a laser rangefinder into our BinoX 4k Day & Night Binocular series is a game changer. This day/night binocular will allow you to have the convenience, speed, efficiency and valuable dual-purpose functionality of a high-definition binocular, perfectly paired with an angle compensated rangefinder. The control keypad is simple to use and easily manipulated with a single hand, leaving your other hand free. This classic tool for spotting or recovery efforts is also ergonomically designed and includes a neck strap for ease of use and comfort while in the field.

No more guessing how far your target is for dope corrections. Now you can use the built in E-Compass and laser rangefinder to know the direction and distance you need to travel in the field. The versatility of this technology will elevate your hunting excursion and make tracking efforts easier by allowing you to record the topography of the area and log key spots like food, water and cover/bedding areas that all game need for survival.

The new internal battery provides up to 18+ hours of battery life, and the other included features will aid in your recovery efforts and keep you target ready! Plus, as with all our SMART HD optic lines, you can easily record video and take photos directly to your micro SD card providing the ability to share with friends and family or on social media.

The BinoX 4K 4-16x Day & Night Smart HD Binocular is the revolutionary optic you have wanted and have waited for. Whether it is for search and rescue efforts, or for game recovery, these day/night vision binoculars come with more features than you will know what to do with at first, but soon you won't know how you've lived without them. ATN is The Future of Optics!

BINOX 4T SERIES

THERMAL SMART HD BINOCULAR W/ BUILT-IN LASER RANGEFINDER



SMART HD OPTICS

DUAL CORE THERMAL SENSOR

OBSIDIAN 4T

COMING SOON

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.

01:15:08




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.




* binocular view



* binocular view

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

	BinoX 4T 1.25-5x	BinoX 4T 2-8x	BinoX 4T 4.5-18x	BinoX 4T 1-10x	BinoX 4T 1.5-15x	BinoX 4T 2.5-25x
Item #	TIBNBX4381L	TIBNBX4382L	TIBNBX4384L	TIBNBX4641L	TIBNBX4642L	TIBNBX4643L
Sensor	384x288			640x480		
Magnification	1.25-5x	2-8x	4.5-18x	1-10x	1.5-15x	2.5-25x
Field of view	16°×12.5°	12°×9.5°	6×4.7°	32°×25°	24°×19°	12.5°×9.7°
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	1280x960p @ 30/60fps					
IP rating	Weather Resistant					
Charging	USB, type C					
WiFi (Streaming, Gallery, & Controls)	iOS & Android					
Bluetooth	Yes					
3D Accelerometer	Yes					
3D Gyroscope	Yes					
3D Magnetometer	Yes					
E-Barometer	Yes					
Smart Rangefinder	Yes					
E-Compass	Yes					
Smooth Zoom	Yes					
Microphone	Yes					
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

www.atneu.com

tel: +44 (0)1432 809 960



DESCRIPTION

ATN has created a new series of thermal binoculars that offers the user a profound new technological experience! The new ATN BinoX 4T 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 is the ace in the hole for your game recovery or search and rescue efforts.

This thermal binocular gives you the convenience of thermal imager, allowing you to see what is behind every bush or tree, or in every field. With the speed and efficiency that you want in a good pair of a quality binoculars, this functional dual-purpose optic is perfectly paired with an angle compensated laser rangefinder. Making this optic the must-have device of the season for spotting or recovery. Elevating your hog hunts and stalking efforts and giving you the adaptability in the field that you have been wanting!

The new internal battery provides up to 18+ hours of battery life, and the other included features will aid in your recovery efforts and keep you target ready! The ATN BinoX 4T comes in both 384x288 and 640x480 configurations and is equipped with the most advance thermal sensors, providing a sharp and clear thermal image. Easily scan for heat signatures to detect even the smallest of animals in deep cover or concealed by fog. Record video and take photos directly to your micro SD card to share with friends and family or on social media.

This classic tool is also ergonomically designed and includes a neck strap for ease of use and comfort while in the field. No more guessing how far to your target is for dope corrections, use the built in E-Compass and laser rangefinder to know the direction and distance you need to travel in the field. The control keypad is simple to use and easily manipulated with a one hand, leaving your other hand free and target ready.

The ATN BinoX 4T Smart Thermal Binoculars is the optic you wanted and have waited for. Whether it is for search and rescue efforts, or for game recovery, these thermal vision binoculars come with more features than you will know what to do with at first, but soon you won't know how you've lived without them. ATN is The Future of Optics!

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OTS LT SERIES

THERMAL HD MONOCULARS

COMING
SOON



*scope view



*scope view



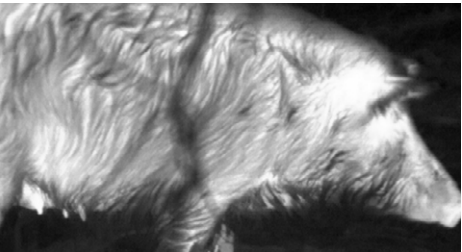
*scope view

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

	OTS LT 160		OTS LT 320		
Item #	TIMNOLT136X	TIMNOLT148X	TIMNOLT325X	TIMNOLT335X	TIMNOLT350X
Lens	19 mm	25 mm	25 mm	35 mm	50 mm
Resolution	160x120 - 17 μm		320x240 - 12 μm		
Magnification	3-6x	4-8x	3-6x	4-8x	6-12x
Field of View	8.1°x6.2°	6.2°x4.7°	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	Yes				
IP rating	Weather resistant				
Human Detection Range	475 m	625 m	910 m	1510 m	1700 m
Human Recognition Range	240 m	315 m	455 m	680 m	700 m
Human Identification Range	160 m	210 m	290 m	340 m	400 m
Dimensions	195x75x66 mm				
Weight	560 g				
Warranty	3 Years				

*Specifications subject to change without notice

Comfortable
25 mm eye relief

Ergonomic
and Simple to use



DESCRIPTION

The ATN OTS LT has been completely redesigned from top to bottom. This thermal handheld scanner is lighter and has a long lasting internal battery.

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. The new battery uses a proprietary power management system that keeps you in the field longer, without the need to use single use batteries.

This is one tool you'll want with you at all times. Recovery efforts will seem effortless, finding game will no longer be frustrating or hard to find. Search and Rescue operations will be quicker and more efficient.

AUXILIARY BALLISTIC LASER 1000/1500

LASER RANGEFINDERS





*scope view



BLUETOOTH
DEVICE

SENDING DISTANCE
TO THE BALLISTICS CALCULATOR

TURN YOUR ATN SMART SIGHT INTO A PRECISE HUNTING MACHINE!

Simple and Quick to attach, the ABL Smart Rangefinder takes just minutes to install. Once active, your ATN Smart Scope's internal Ballistic Calculator will make Instantaneous POI adjustments to your reticle.

MAKE EVERY SHOT COUNT!

COMPATIBLE
WITH





SPECIFICATIONS

	ABL 1000 FMG	ABL 1500 FMG
ITEM #	ACMUABL1000	ACMUABL1500
Precision to	± 1 y/m	
Range	5-1000 y/m	5-1500 y/m
Bluetooth	4.1	
Environmental rating	Waterproof	
Pairs with smart HD	Obsidian II or higher	
Smart HD optics compatibility	X-Sight 4K Series, Mars 4 Series	
Battery life	6 months or 5,000 measurements	
Battery type	1 x CR2 type, 3 V	
Dimensions	4.37" x 3.43" x 2.8" / 111 x 87 x 71 mm	
Weight	0.8 lb / 360 g	
Warranty	2 years	


*Specifications subject to change without notice

LASERBALLISTICS 1000/1500

LASER RANGEFINDERS



*Smartphone not included



Available on the
App Store

ANDROID APP ON
Google play

SPECIFICATIONS

	LaserBallistics 1000	LaserBallistics 1500
ITEM #	LBLRF1000B	LBLRF1500B
Magnification	6×	
View angle	7.2°	
Precision to	± 1 y/m	
Range	5-1000 y/m	5-1500 y/m
Bluetooth	4.0	
Smart Phone Applications	Android or iOS	
Environmental rating	Waterproof	
Pairs with Smart HD	Obsidian II or higher Day Scope Compatibility	
Traditional Optics Compatibility	Works with Mil and MOA scopes using ATN Ballistic Calculator App	
Battery type	1 x CR2 type, 3 V	
Dimensions	4.17"×1.38"×2.87" / 106×35×73 mm	
Weight	5.4 oz / 152 g	
Warranty	2 years	

*Specifications subject to change without notice

COMPATIBLE
WITH



DESCRIPTION

ATNs LaserBallistics LRF is designed for shooters and hunters — allowing you to easily and quickly range in on your target and get instant calculation on how to adjust your Turrets. Laser Ballistics connects via Bluetooth to your phone having it do all the calculations in the background. While giving you clear and simple information on the number of clicks each

turret must be adjusted, to hit your target. It also, can be paired with your ATN Smart Optic and give you real time POI adjustments; taking the guess work out of the equation. Long range shooting has never been easier.

IR850 SUPERNOVA

EXTREME RANGE INFRA-RED ILLUMINATOR



SPECIFICATIONS

Item #	ACMUIR85SN
LED Module	High power emitter with IR850 Xtreme driver
Lens	Aspherical glass
Material	Constructed using aircraft grade aluminium
Surface	Type III hard anodized with highly durable finish
Waterproof	IPX-8
Battery type	18650 rechargeable, 3.7 V Lithium ion
Dimensions	6.3"×3.3"×2.1" / 160×84×54 mm
Weight	0.83 lb / 380 g

*ATN reserves the right to change the above specifications at any time without notice.

DESCRIPTION

Lens diameter goes hand in hand with distance, and the ATN IR850 SuperNova offers you more distance than our stock X-Sight IR light and the IR850 Pro. This advanced, adjustable beam, high-powered light is a 64mm lens with 3 intensity settings (low, med, high) that can be adjusted by the collar. Perfect for someone who wants to achieve a more wider-range in distance with their night vision scope

IR850 PRO

LONG RANGE INFRA-RED ILLUMINATOR



SPECIFICATIONS

Item #	ACMUIR85PR
LED Module	High power emitter with IR850 Pro driver
Lens	Aspherical glass
Material	Constructed using aircraft grade aluminium
Surface	Type III hard anodized with highly durable finish
Waterproof	IPX-8
Battery type	18650 rechargeable, 3.7 V Lithium ion
Dimensions	6.3"×3.3"×2.1" / 160×84×54 mm
Weight	0.83 lb / 380 g

*ATN reserves the right to change the above specifications at any time without notice.

DESCRIPTION

ATN IR850 Pro will offer you more distance than the stock IR that comes with your X-Sight purchase. This intermediate, adjustable beam, high-powered light offers a 47mm lens with 3 intensity settings (low, med, high) that can be adjusted in the tail cap. Perfect for someone who wants to get a bit further in distance than the stock IR, but who may not want to add the weight of a larger IR that can achieve the extensive distance that some of the more advanced lights can , like the SuperNova.

X-TRAC

TACTICAL REMOTE ACCESS CONTROL



SPECIFICATIONS

Item #	ACMURCNTRL1
Bluetooth	4.0
Environmental rating	Water resistant
Battery type	CR2450
Controls	6 Tactile buttons and a Roller
Dimensions	3.2"×2"×0.8" / 80×50×21 mm
Weight	1.76 oz / 50 g

*ATN reserves the right to change the above specifications at any time without notice.

DESCRIPTION

The X-TRAC was designed to aid the shooter in a dynamic shooting environment. Have all your controls at your fingertips and never get bogged down in a mission critical situation.

Six Tactile buttons and a Directional Roller with Touch Feedback gives you precise control over all your features. Using your Ballistic Calculator, Smart Rangefinder, Environmental Adjustments, etc on your Smart HD Scopes just got easier.

QUICK DETACH MOUNT

RETAIN ZERO WHEN SWAPPING BETWEEN PLATFORMS



Item #	ACMUDCQDM2
--------	------------

INCLUDED:

- Hardened Aluminum Alloy
- Works with 30 mm tube scopes
- Adjustable quick detach mechanism
- Perfect for X-Sight 4K Series or Mars 4 Series
- Retain Zero when swapping between platforms

DESCRIPTION

The ATN Quick Detach Mount is a great addition for your new X-Sight 4K or Mars 4. Take advantage of the profile manager of your scope, move it from platform to platform and still retain zero.

Notes

[illegible]

Notes

[illegible]

Notes

[illegible]

Notes

[illegible]



**THE FUTURE
OF OPTICS**

www.atneu.com

2020



**DAY.
NIGHT.
THERMAL.**

