U.S. NIGHTVISION PRODUCT CATALOG

digital viewer monoculars binoculars goggles weapon sights thermal infrared lighting accessories





Imagine driving at night with vision extended to 1,500 feet, or farther. Imagine being given four times as much time to react. Now it's easy to imagine the amazing safety improvements Raytheon Infrared technology is bringing to our nation's drivers. With Raytheon's NIGHTDRIVER, drivers can spot hidden dangers and hazards sooner. Now you can be ready for what dangers lurk ahead.

A vehicle traveling at 60 miles per hour can cover 500 feet in less than six seconds. A driver has to see, understand, and respond with evasive action within that time frame. The odds are not on the driver's side. Vehicles equipped with Raytheon NIGHTDRIVER can help assist drivers see road hazards further ahead. This can provide you with an advantage three to five times above and beyond the normal reaction time.



NIGHTD by **Raytheon**

Thermal-Eye X-100xp

The Thermal-Eye X100XP is a revolutionary thermal imaging camera designed for public safety departments, law enforcement professionals and military use. Setting the standard for durability and compactness in thermal imaging cameras, the X100XP is an ideal addition to any department's arsenal and has been battle-tested in Operation Iraqi Freedom. The affordable Thermal-Eye X100XP gives users the ability to see in complete darkness whether on a routine patrol, locating a lost child or tracking a fugitive. Developed with Raytheon's advanced amorphous silicon microbolometer detector, the X100XP delivers the ultimate in true infrared technology, as no lighting is required.

The Thermal-Eye X100XP thermal imaging camera sets the standard for durability and compactness in portable infrared cameras. Weighing in at only 13 ounces with its unique design, the X100XP operates simply with one-button on/off operation. Designed for the rigors of outdoor use, it features a rubberized slip-resistant casing and can withstand shock and vibration. This hand held, pocket-sized innovation also exceeds waterproof standards and conveniently operates on standard AA batteries. Other features include a protective lens cap, tripod mount for stationary use and camera strap for the officer on the go.



View w/o Thermal-Eye X100xp

View /w/ Thermal-Eye X100xp











About U.S. Night Vision

U.S. Night Vision is a manufacturer of tactical-grade night vision devices. Our products include goggles, monoculars, weapon sights and digital night vision devices. Made in America: our night vision devices are known throughout the world for their quality and durability. Our commitment to customer service will ensure your complete satisfaction. For more information, please visit our web site at www.usnightvision.com.

Customer Service

U.S. Night Vision stands firmly behind its products. Our reputation for quality is only surpassed by our reputation for customer service. We consistently strive for complete customer satisfaction, regardless of the size of the sale. U.S. Night Vision offers a 10 day money-back guarantee on all purchases*. Our Generation 2 and Generation 3 manufactured products come standard with a 2 year warranty. We also offer free lifetime cleaning and calibration for all the products we manufacture. When the brand is USNV, you can rest assured that your investment is well protected.

Expert Advice

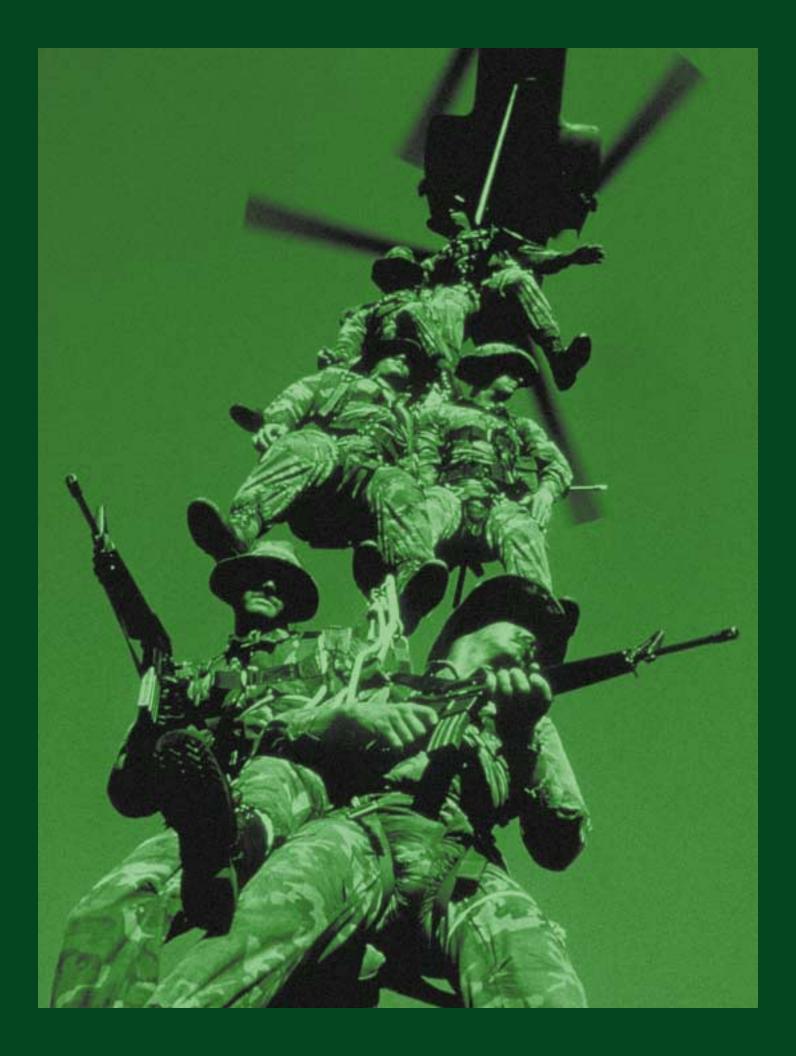
U.S. Night Vision prides itself on being the best source for accurate information in the industry. We offer free advice on our web site, www.usnightvision.com. Just submit your question to the "Ask an Expert" section of our home page, and a representative will be glad to assist you. From the simple to the complex, we are committed to answering all of the questions we receive in an accurate and timely manner.

Exporting Night Vision and Other Restricted Technologies

The exporting of night vision devices is STRICTLY regulated by the U.S. State and Commerce Departments. U.S. Night Vision follows the guidelines set forth by the International Traffic in Arms Regulations (ITAR). You can find out more information by clicking on the ITAR logo on our web site, or by contacting our Export Department. YOU CAN NOT TAKE ANY GENERATION 2 OR 3 NIGHT VISION DEVICES OUTSIDE THE UNITED STATES OF AMERICA WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE US STATE AND/OR COMMERCE DEPARTMENTS. FAILURE TO COMPLY WITH THESE REGULATIONS WILL RESULT IN LARGE FINES AND JAIL TIME.



^{*} Some restrictions apply; speak to an account representative for more details.



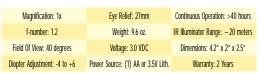
monocular/binocular

USNV-14/14B

The USNV-14 utilizes a U.S. Made Generation 3 (64lp) image intensifier tube to provide crisp, clear images under the darkest conditions. Utilizing the most advanced Mil. Spec. housing, this system is built to handle the toughest of environments. The unit can be handheld, or attached to a standard PVS-7/14 head-mount or helmet mount.

The USNV-14B utilizes two image intensifier tubes. It is smaller and lighter than any other dual-tube system available. The USNV-14/14B is fully submersible to a depth of 66 feet (20 Meters). The units will work with either a single AA or 3.5-volt lithium battery, offering more flexibility and longer battery life. The integrated IR illuminator enhances the ability of the user to read maps, and operate in confined spaces.

S P E C I F I C A T I O N S



Available Accessories: Compass

Spot Flood 3x mil lens 5x mil lens



system, an EOTech 552 Holographic scope



USNV-7/14 on headmount (included).









monoculars/monogoggles





USNV-121 monocular

The USNV-121 Monocular uses a U.S.-made Generation 2 image tube in a lightweight and compact design. The USNV-121 features a high-power IR illuminator for operation in extreme low light environments. Automatic Brightness Control and Bright Source Protection are standard in this system. In addition, IR mode and low battery warnings are fiber optically displayed within the user's field of view. Optional accessories include fully adjustable headgear for hands-free operation, camera/video adapter, 3X lenses, and a weapon mount. The USNV-121 is one of the finest and most versatile compact monocular systems available today.



ITT NO-PVS-14

The versatile Generation 3 ITT NQ-PVS-14 allows the user to adjust the gain control in varying light conditions. This unit can be handheld, as well as head-mounted, or adapted to a camera or camcorder. This unit can also be weapon-mounted. It comes standard with variable gain control for enhanced performance in altering light conditions and uses universally available AA batteries.

ITT Night Quest 160

The ITT Night Quest 160 offers a high-performance Gen 3 tube. Ergonomic design makes this a comfortable unit for use on long missions, while the "quick-focus" feature allows easy, one-step focusing. Requires U.S. State Department License for export.



		S	Р	Ε	C	1	F	I	C	Α	T	Ι	0	N	S		
model	in	ntensifier tube		magnifi	ication		field of	f view		wei	ght		dime	ensions		battery	warranty
USNV 12	1 (Generation 2		1)	K		40 deg	grees		16 ou	nces		6" x 1	.75" x 3	3"	3V Lith.	2 years
ITT NQ-PVS	-14	Generation 3		1)	K		40 deg	grees		13.5 0	unces		4.2" x	2″ x 2.!	5″	2 AA	2 years
ITT Night Enfor	cer 160	Generation 3		1)	K		40 deg	grees		22 ou	nces		7.25" x	2" x 3.	.5″	2 AAA	2 years

monoculars/monogoggles



Night Guardian

The Night Guardian is the finest Generation 1 monocular on the market. This lightweight and compact unit features a built-in IR illuminator and a multi-coated 3.2X objective lens. The Night Guardian's features include fully adjustable headgear for hands-free operation and 1x optics with a 40° field of view. A 3.2x lens is also available. The Night Guardian offers quality and performance at an entry-level price.



NG Mono Goggle

Equipped with a built-in turn-on-demand, a powerful infrared illuminator, this Generation I mono-goggle incorporates a 1x high-resolution f1.2 front objective that provides a wide field of view and sharp focusing. A semi-rigid, fully adjustable head mount is included. The headgear features a quick disconnect and flip-up mechanism that also allows for 360-degree unit rotation without removal from the harness. Optional accessories include a 3.2 x f1.7 front objective lens that can be easily installed in the field. Comes complete with carry case, manual and batteries.



ATN Night Storm

The Night Storm is a rugged, lightweight and waterproof night vision device. It provides superior optical calibration at an economical cost. It comes equipped with a 6-element, F1.2 50mm, heavy-coated lens, a powerful high-res Gen 1 intensifier tube, IR illuminator, and an optional camera adaptor. The unit's diopter adjustment of ± 5 and 1' to infinity range of focus will allow you to focus in on any object in range. Plus, the 40 lp/mm makes the Night Storm one of the most accurate Gen 1 imaging devices currently available.



ATN Night Leopard

See like a cat in the dark with the Night Leopard compact monocular. A new super-fast lens system combined with a high-res Gen 1+ light intensifier tube gives you an unparalleled bright image in a Gen 1 night vision device. Push button controls, 3x magnification and a built-in IR illuminator for viewing in total darkness are just a few of it's features. If you want a compact, high quality night vision monocular, the Night Leopard is a perfect choice.

model	intensifier tube	magnification	field of view	weight	dimensions	battery	warranty
Night Guardian	Generation 1	1x, 3.2x	20/40 degrees	17.6 ounces	8" x 2" x 2.75"	3V Lith.	1 year
NG Mono Goggle	Generation 1	1x	40 degrees	12.8 ounces	8" x 2" x 2.75"	3V Lith.	1 year
ATN Night Storm	Generation 1	3.5x	18 degrees	14.5 oz	170 x 58 x 94 mm	3V Lith.	1 year
ATN Night Leopard	Generation 1+	3x	40 degrees	13.8 ounces	4.5" x 2" x 2.25"	2 AA	2 years



monocular









USNV SNS-1

The USNV SNS-1, Super Night Scope is a powerful, multipurpose pocket-sized night vision monocular. This versatile instrument is designed to be used either as a stand-alone night vision device or in combination with a wide variety of standard video, digital, slr and even CCTV equipment. Such versatility makes the SNS-1 a powerful tool for covert nighttime observation and/or surveillance purposes using standard photographic media.

The SNS-1 gives the user an extremely clear and crisp picture in the darkest of environments. The SNS-1 also has a built-in infrared light source for use in total darkness. Regardless of your application, the SNS-1 is a truly professional device that will impress even the most demanding user.

The USNV SNS-1 ships complete with a ballistic nylon carry case, SNS-1 Generation 3 Monocular, 25mm C-Mount Lens (1X), Camera Adapter Rings (2) and a lanyard.

S P E C I F I C A T I O N S

Generation: 2+ & 3	Diopter: +2-6	Battery: (1) AA
Magnification: 1X	Weight: 14 oz	Battery Life: 40 hours
Field Of View: 40 degrees	Size: 4" x 2" x 4"	Warranty: 2 Year

Available Accessories:

C-mount lenses









PVS-7 with 5x lens accessory.

PVS-7 accessories.

PVS-7B (Bravo) PVS-7D (Delta) The PVS-7B/D is the standard issue goggle supplied to the U.S.

The PVS-7B/D is the standard issue goggle supplied to the U.S. Military and its allies. The PVS-7B uses a single Generation 3, 64lp commercial image tube and a dual eye configuration, and the PVS-7D comes equipped with a 64lp mil. spec tube. The PVS-7B/D provides outstanding night vision performance.

It features simple user controls and fully automated image tube protection. This system allows the user to have complete freedom of movement while maintaining equilibrium and balance in a hands -free application. The PVS-7B/D also incorporates an infrared illuminator with a momentary and continuous on switching function. Infrared operation and low battery indicators are displayed within the user's field of view.

The PVS-7B/D comes complete with a lightweight, fully adjustable military head strap that allows for comfortable long-term use. A wide range of optional accessories includes high magnification lenses, compass, infrared spot/flood lens and helmet mounting bracket. Ships with: Head-mount, Military Soft case, batteries, extra brow pads, de-mist shield, sacrificial lens, lens tissue, and a manual.

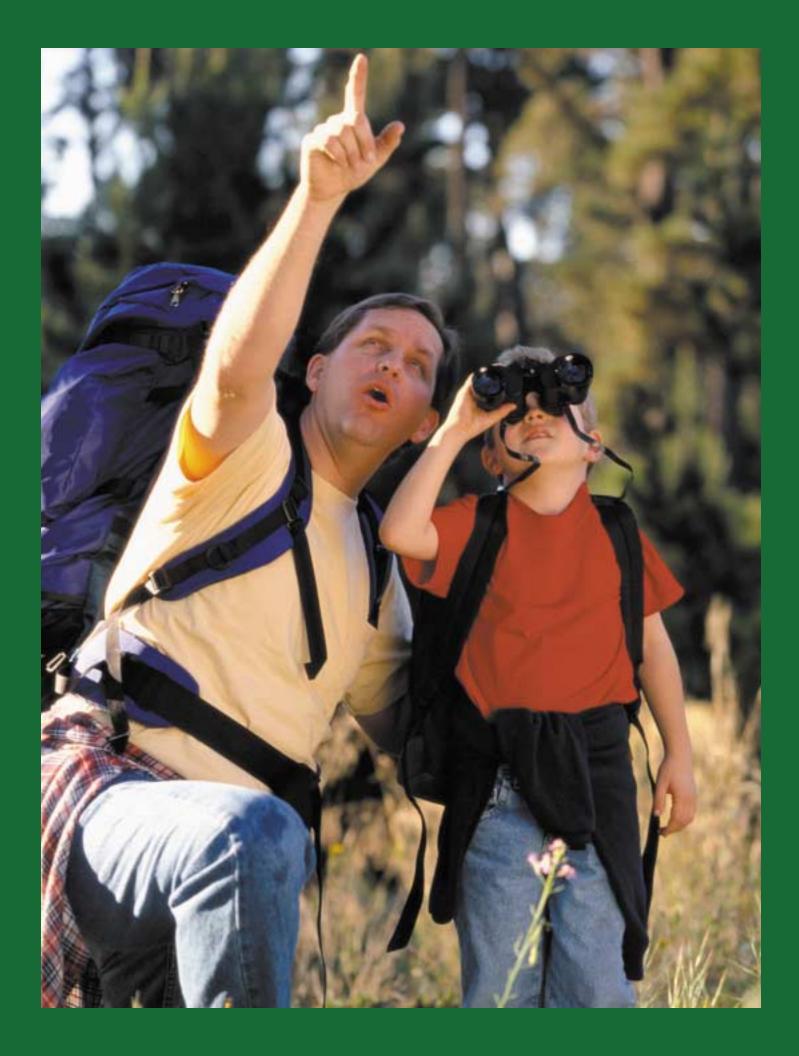
S P E C I F I C A T I O N S

Generation: 2+ & 3	Diopter: +2-6	Battery: (2) AA
Magnification: 1X	Weight: 19.2 oz	Battery Life: 40 hours
Field Of View: 40 degrees	Size: 6" x 3" x 6"	Warranty: 2 Year

Available Accessories:

www.usnightvision.com





goggle/binocular

USNV-321 on headmount (included).

USNV 221/321

The USNV-221 is one of the highest quality dual-tube/dual-eye night vision goggle/binocular available, offering a true stereoscopic night vision image. The USNV-221 is U.S. made, and utilizes a high-quality Generation 2 image tube. The unique patented design eliminates the need for interpupillary adjustment. The small size and light weight of this unit make it easy to carry. The USNV-221 features all of the benefits of U.S.-made Generation 2 technology, such as automatic brightness, bright light protection, along with a powerful IR illuminator. The USNV-221 is a highly professional night vision device. The system ships as a 3.2X Binocular, or a 1x goggle (with a headstrap).

The USNV-321 is the highest quality commercial dual-tube/dual-eye night vision goggle/binocular available. The USNV-321 is U.S. made, and utilizes the highest quality Generation 3 image tubes. The USNV-321 features all of the benefits of the USNV-221, with Generation 3 technology. The USNV-321 is a highly professional night vision device. Specialized multicoated optics provides extreme clarity in low-light situations. The system ships with a head-mount and a soft carry case. You can additionally purchase a pair of 3X magnification lenses converting the 321 into a 3X binocular.

Available Accessories:

3x lens



S P E C I F I C A T I O N S

Generation: 2	Field of View: 40 degrees	Dimensions: 4.5" x 4.5" x 2.2"
Objective lens: f1.5	Diopter Range: +4/-4	Weight: 22.4 ounces
Magnification: 1x	Battery: 3v Lithium	Warranty: 2 Year

321 SPECIFICATIONS

Generation: 3	Field of View: 40 degrees	Dimensions: 4.5" x 4.5" x 2.2"
Objective lens: f1.5	Diopter Range: +4/-4	Weight: 22.4 ounces
Magnification: 1x	Battery: 3v Lithium	Warranty: 2 Year

goggles/binoculars



US NightVision

ITT NQ-5001 (PVS-7)

The newly improved ITT NQ 5001 (AN/PVS-7B) is the world's most rugged, reliable, high-performance night vision goggle. Extensively used by the U.S. Army for ground operations, the 5001 is the state-of-the-art in night vision technology. Utilizing a high-performance MX-10130 Generation 3 image intensifier, the 5001 can be used in the darkest of conditions. The system has a built-in IR (infrared) illuminator for close-up viewing in total darkness. Engineered for maximum comfort, the 5001 is lightweight and easy to use. Features include a low battery indicator and a high light sensor which automatically cuts power to the image tube when too much light is present.

USNV-2MV goggle

The most popular Generation 1 night vision goggle on the market, the rugged USNV-2MV offers true stereoscopic viewing in a dual-tube design. The patented optical system eliminates the need for interpupillary adjustment, thus reducing both size and weight.

Features include a high-power IR illuminator, fully adjustable headgear and multi-coated lenses. Optional 3X lenses allow the USNV-2MV to be converted into a binocular. See the night come alive and enjoy more time in the great outdoors. A night vision viewer is the perfect companion to any outdoor activity.



USNV-211 binocular

Built with high-performance coated glass optics and dual Generation I image intensifier tubes, the USNV-211 binocular offers true stereoscopic night vision capabilities in a lightweight and ergonomic design. The USNV-211 also includes an integral Infrared light source that provides long-range illumination in total darkness, such as in an enclosed room, etc. A professional quality night vision binocular, the USNV-211 offers enhanced performance and reliability in a single package. Ships with unit, carry case, manual and batteries.

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model	intensifier tube	magnification	field of view	weight	dimensions	battery	warranty
ITT NQ-5001	Generation 3	1x	40 degrees	19.2 ounces	6.4" x 3" x 6"	2 AA	2 years
USNV-2MV	Generation 1	1x	40 degrees	22.4 ounces	5" x 4.5" x 2.25"	3V Lith.	1 year
USNV 211	Gen 1 Enhanced	3.2x	15 degrees	38.4 ounces	7.5" x 2.6" x 5.9"	3V Lith.	1 year

infrared lighting and filters

infrared flashlight filters

The perfect accessory to compliment any night vision device. Our Infrared Flashlight Filters convert a standard flashlight into a powerful IR illuminator. Available in different sizes, so please specify when ordering.



infrared spot flood light

Greatly enhance your night vision device's capability with our Infrared Light Filters and Spot Flood Light Kits. The rechargeable million-candle spot light can be used with or without a filter attached, a very useful accessory.



Blackout Infrared Filters

Blackout Infrared Filters block 99% of the visible light spectrum from any visible "white" light source. Blackout Infrared Filters allow a maximum of Infrared output while maintaining extreme covertness. Currently in use around the world, Blackout Infrared Filters are used by Military, Law Enforcement, Industrial and Commercial customers. The unique makeup of our plastic allows for maximum durability and heat resistance. Our Blackout Infrared Filters are built to last for years. Aside from being manufactured to the highest tolerance, our filters can also be treated for glare resistance. Although this does decrease the light output, it can insure extremely covert operations for special applications. Please ask our expert sales staff for advise on our Blackout Infrared Filters.

When used with your spotlight, our filters will tremendously improve the effectiveness of your night vision equipment. Spotlight Filters come with a rubber boot that allows the filter to cover the existing lens. Our Flashlight Filters allow the user to operate more effectively with night vision equipment while maintaining a "visible" flashlight that can be deployed by simply flipping the filter boot off the bevel of the flashlight.

Blackout Filters will become the most important accessory to your night vision device. Even Generation 3 is greatly enhanced with the use of our Blackout Spot Light and Flashlight Filters. We currently ship many kits to the U.S. Military to aid in our overseas operations. Our Blackout Filters are currently helping U.S. and Coalition soldiers operate more effectively at night.

We offer pre-package systems such as Blackout Spot Light Kits and Flash Light Kits. Blackout Infrared Filters are also available in pre-cut sizes to match the most popular flashlights. We can also custom cut any size up to 6" x 6" squares.







ATN MK 330/390

The ATN MK 330 is an affordable, high-quality Gen 1 weapon sight. It sports features such as a new super fast front lens system for optimal brightness, easy push button operation and a reticle brightness adjustment. This new IR lets you see even in total darkness up to 150 yards away!

The ATN MK 390 has improved optical configurations (a lowered F-stop factor and increased optical resolution). With these features, more light travels through the lens to the tube, which results in a sharper image. Features include: a precision "red on green" aiming system, easy push button operation, reticle brightness adjustment and a detachable 450mw Infrared Illuminator with dedicated windage and elevation adjustments.



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model	intensifier tube	magnification	field of view	weight	dimensions	battery	warranty
ATN MK 330	Generation 1+	3x: 4m to ∞	6 degrees	2.2 lbs.	9" x 4" x 2"	3V Lith.	2 years
ATN MK 390	Generation 1+	4x: 4m to ∞	6 degrees	2.8 lbs.	12" x 4" x 2.8"	3V Lith.	2 years



ATN MK 6800/6900

The ATN MK 6800 is one of the most compact high-end night vision scopes available. Utilizing a top grade Gen 2 image tube, the ATN MK 6800 has extremely sharp resolution and brightness. Features include a new super fast front lens system for optimal brightness, easy push button operation, a reticle brightness adjustment, and a 450mw Infrared Illuminator with dedicated windage and elevation adjustments for total darkness usage.

The ATN MK 6900 features a top-of-the-line Gen 2+ light intensifier tube for added light gain and resolution. The ATN MK 6900 comes with 5x magnification and a super fast F:1.4 lens. The ATN MK 6800 comes equipped with quality optics, tubes, and a 3 year warranty.

5x: 4m to ∞

Generation 2+

ATN MK 6900



3V Lith.

2 years

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model	intensifier tube	magnification	field of view	weight	dimensions	battery	warranty
ATN MK 6800	Generation 2+	3x: 1m to ∞	20 degrees	2 lbs.	8" x 3" x 2.5"	3V Lith.	2 years

12 degrees

2.8 lbs.

12" x 4" x 3"



ATN MK 7800/7900

The ATN MK 7800 is a compact high-end night vision scope that utilizes a top grade Gen 3 light intensifier tube that provides extremely sharp resolution and brightness. Features include a new super fast front lens system for optimal brightness, easy push button operation, a reticle brightness adjustment, 450mw Infrared Illuminator with dedicated windage and elevation adjustments for total darkness usage. Compact, rugged and highly accurate, the 7800c Defender is a great scope for the person on the move.

The ATN MK 7900 features a top-of-the-line "Prime Select" Gen 3+ light intensifier tube for added light gain and resolution. Combine this select tube with 5x magnification and a super fast F:1.4 lens, and the image that you will get out of your ATN MK 7900 is unbelievable. Fantastic optics, tubes, and a 2 year warranty make the ATN MK 7900 a great choice!



	S	Р	E C		I	F	I	С	Α	T	I	0	N	S		
model	intensifier tube	r	nagnificat	on		field o	of view		W	eight		dime	ensions		battery	warranty
ATN MK 7800	Generation 3	:	3x: 1m to	∞		20 de	egrees		2	lbs.		8" x 3	3″ x 2.5	"	3V Lith.	2 years
ATN MK 7900	Generation 3	!	5x: 4m to	∞		12 de	egrees		2.8	3 lbs.		12″ x	4" x 3	n	3V Lith.	2 years



E0Tech 551 and 552

The new Model 551 and 552 HOLOgraphic Diffraction Sight (HDS) are now fully compatible with Generation I, 2 and 3 night vision intensifier tubes. A special night vision setting on both units allow the operator to immediately drop the brightness intensity of the holographic reticle to eliminate any "halo" affect and saturation of the night vision device. The 551 and 552 can be positioned in front of a night vision system without any "bloom" of the target area. Now operators can combine proven night vision system with a superior Close Quarters Battle (CQB) sight to achieve greatly enhanced weapon aiming while in the night vision spectrum.



Aimpoint CompM2

The CompM2 is compatible with all generations of night vision devices. At the lowest brightness setting (for night-time use with a NVD) there is no need for an "off" position on the switch. No sight on the market can rival the light transmission through an Aimpoint sight in both the visible and IR ranges/spectra. This becomes especially obvious in dim conditions. The CompM2 has 4 NVD settings to give an extremely clear reticle in dark conditions.



MonoLoc System

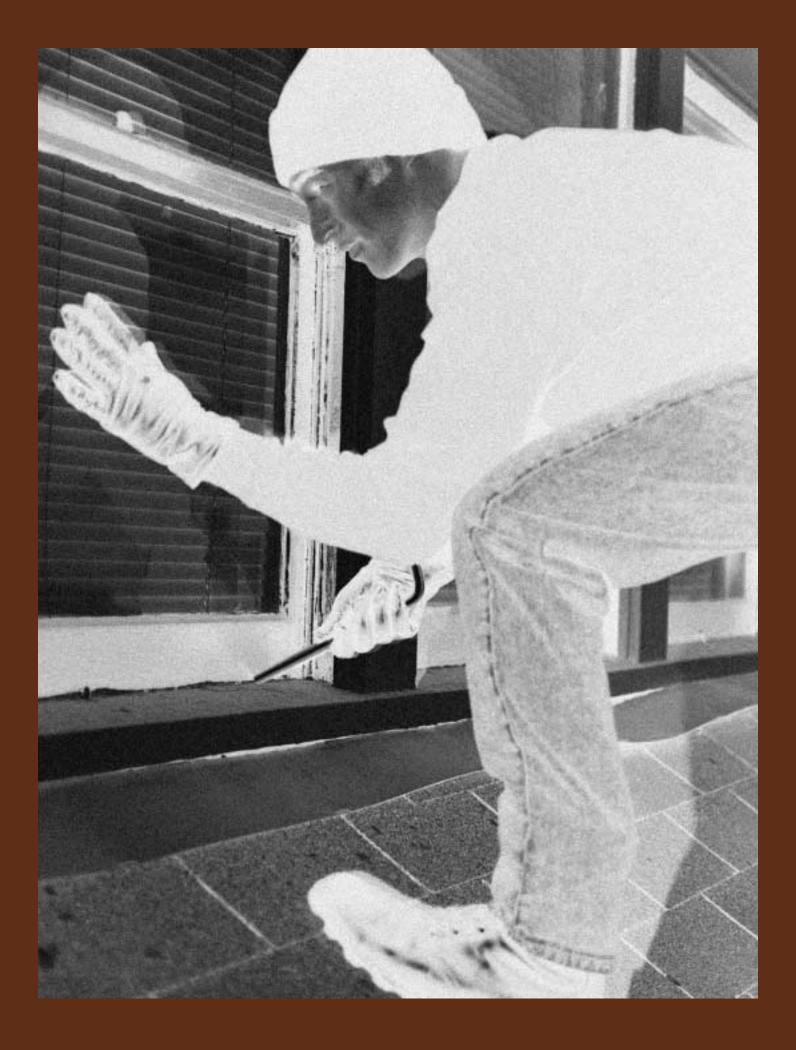
The MonoLoc is an adaptation device that connects a night vision monocular or goggle to an optical device. When the monocular is

attached with a MonoLoc adapter to a rifle scope, digital camera, camcorder, Close Quarters Battle (CQB) optic, laser rangefinder or spotting scope, it is then converted into a night vision device!



S P E C I F I C A T I O N S

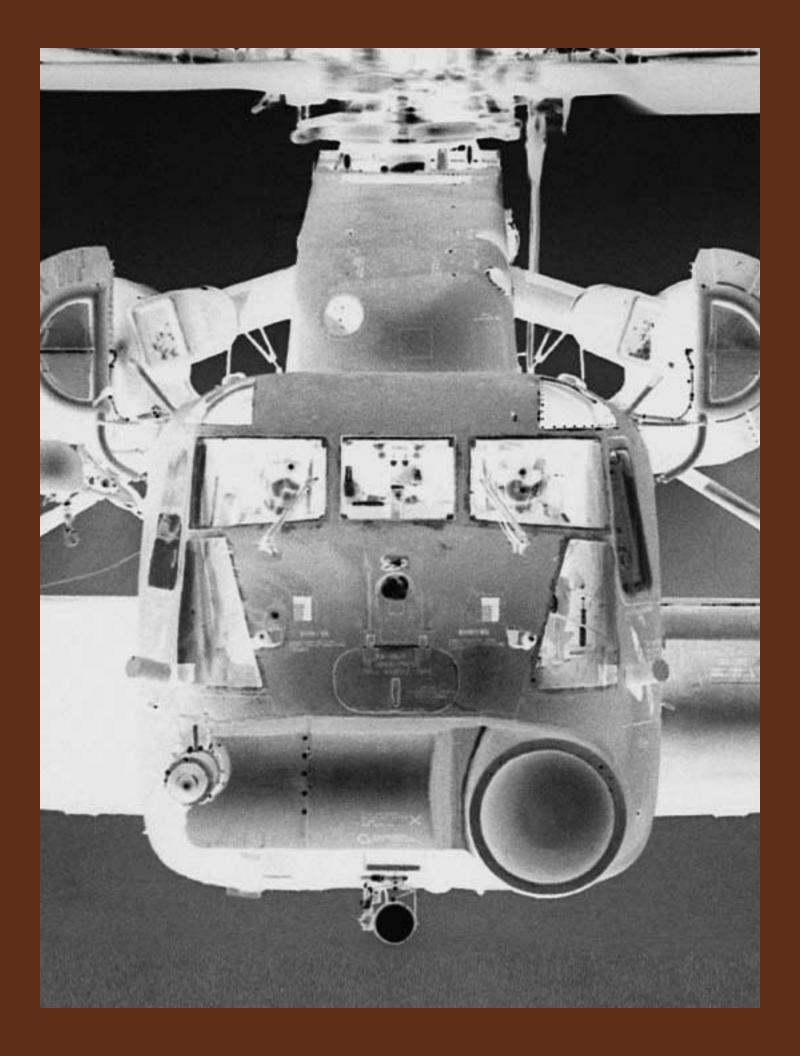
model	reticle	magnification	field of view	weight	dimensions	battery	warranty
552	holographic display	1x	40°	8.8 ounces	4" x 1.8" x 2.25"	2 AA	2 years
551N	holographic display	1x	40°	11.5 ounces	5" x 1.8" x 2.25"	2 N Alkaline	2 years
model	reticle	magnification	field of view	weight	dimensions	battery	warranty
Aimpoint	Red dot, 4 MOA	1x	40°	7.1 ounces	5.1" x 2.2" x 2.2"	3V Lith.	10 years





Thermal-Eye X-100xp
The Thermal-Eye X100xp is the smallest and lightest handheld thermal imaging viewer currently available. The state-of-the art amorphous silicon microbolometer technology found inside the Thermal-Eye X100xp is what permits the camera to be so small and light. Measuring about five inches long and weighing only thirteen ounces, the X100xp easily fits into the palm of a hand or pocket, perfect for covert operations or convenience.

	S	P	E C	1	F	ı	C	Α	T	I	0	N	S		
model	spectral response		focal range		field o	of view		we	ght		dime	nsions		power source	auxiliary power
Thermal-Eye X-100xp	7-14 microns		up to 1,000 feet		17° :	x 12°		13 0	ınces	5.	25"L x 4	.5"W x	2"H	2 AA	9 to 12 VDC input on rear outlet jack
infrared polarity	display		output format		operatir	ng temp).	water re	sistance	e b	rightnes	s/conti	rast	view finder dimming	warranty
white = hot, black = cold	monochrome LCD	a	nalog: SMPTE-17	0	-20° t	o 60°C		to dep	th of 9'		fully a	ıtomati	С	integral to power on/off switch	2 years





Thermal-Eye 250D

The Thermal-Eye 250D takes thermal imaging to a totally new level with 2X zoom capability and digital technology for greatly improved imagery. The Thermal-Eye 250D is perfect for use in many applications such as public safety, search and rescue, security and wildland/exterior fire fighting. The sharp, black Thermal-Eye 250D is the new standard in handheld infrared technology.

	S P	E C	I F I C	A T I	0 N S		
model	spectral response	zoom	field of view	weight	dimensions	power source	warranty
Thermal-Eye 250D	7-14 microns	2x	12° x 9°	3.4 pounds	9.5"L x 4"W x 4"H	6VDC Rechargeable	2 years
pixel count	stabilization	video update rate	standard lens	focus range	detect person at	vcr output	external control
320 x 240	thermoelectric cooler	30 Hz – real time	75 mm; f/1.0	8' - infinity	2,400 feet	eis rs-170 ntsc	rs-232 serial port
power consumption	power conservation	usage per charge	ergonomics	mounting provisions	operating temp.	water resistance	operating humidity
< 3.5 watts	"standby" mode	> 4 hours	one hand operation	tripod mount	-20° to 49°C	iec pub. 529 ipx4	0–95% w/o condense

Raytheon





 $\begin{tabular}{ll} Thermal-Eye~4000M\\ Perfect~for~marine~night~vision,~the~Thermal-Eye~4000M~offers~state-of-\\ \end{tabular}$ the-art infrared thermal night vision. This rugged camera was designed to withstand the typical shock and vibration associated with marine applications and is weatherized to resist salt corrosion. With a pan and tilt-positioning platform, operated by a joystick controller, the user can observe or search for boats or stray objects in the water by maneuvering and pointing the camera in the necessary direction.



Thermal-Eye 4000B

The Thermal-Eye 4000B offers the ultimate surveillance vision advantage available. The rugged thermal camera can be easily roof-mounted on any vehicle and offers pan/tilt viewing, which is easily controlled by a joystick. The image is then presented within the safety of the vehicle on a flat panel monitor or managed data terminal, ideal for mounting on a police vehicle or in a fixed mount position to survey a perimeter.

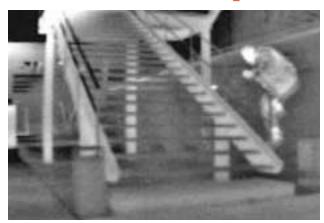
model	S P spectral response	E C I magnification	F I C field of view	A T I weight	0 N S dimensions	power source	warranty
Thermal-Eye 4000B	7-14 microns	up to 1,500 feet	12° x 9°	10 pounds	11.1"L x 11"W x 11"H	9.5 to 16 VDC	2 years
pixel count	focal plane array type	video output	IR polarity	focus range	detect person at	focus method	mounting
160 x 120	uncooled ferroelectric	NTSC	white = hot, black = cold	8' - infinity	1,500 feet	automatic	mobile or stationary
model	spectral response	magnification	field of view	weight	dimensions	power source	warranty
Thermal-Eye 4000M	7-14 microns	up to 1,500 feet	12° x 9°	10 pounds	11.1"L x 11"W x 11"H	9.5 to 16 VDC	2 years
pixel count	focal plane array type	video output	IR polarity	focus range	detect person at	focus method	external control
160 x 120	uncooled ferroelectric	NTSC or PAL	white = hot, black = cold	25' - infinity	1,500 feet	automatic	mobile or stationary

Raytheon



Thermal-Eye 2500AS

The Thermal-Eye 2500AS is a long wavelength infrared video camera intended for use in commercial IR imaging systems. The Thermal-Eye 2500AS builds on its predecessor, the Thermal-Eye 2000AS, by adding new circuit cards with faster digital processing and a wider operating temperature range. With its small size, the Thermal-Eye 2500AS is perfect for applications where size is a major factor.









Thermal-Eye TSCss

The Thermal-Eye TSCss (Standard Series) is designed to fit into existing closed circuit television architecture as a drop-in substitute or enhancement. The plug-and-play Thermal-Eye TSCss offers the advantage of thermal imaging without the need for additional lighting. The small, low-cost camera uses the latest thermal imaging technology, offering the ability to see through the dark of night and all weather situations without the need for obtrusive lighting or image intensifiers. The Thermal-Eye TSCss is the solution to securing and monitoring your perimeter.

Thermal-Eye TSCxp

The Thermal-Eye TSCxp (Extended Performance) utilizes cutting-edge infrared technology to create the ultimate camera for surveillance and security applications. No illumination is required. The Thermal-Eye TSCxp can detect intruders over long distances by sensing the heat emitted from an object, person or animal. Athermalized optics also provides the advantage of focus over extreme temperatures. The Thermal-Eye TSCxp is designed to drop in any standard enclosure and is plug and play. It can be installed in just minutes.

model	S P spectral response	E C magnification	I F I C field of view	A T I weight	0 N S dimensions	power source	warranty
Thermal-Eye 2500ASD	7-14 microns	up to 1,000 feet	17° x 12°	5.6 ounces	2.36"L x 1.25"W x 1.44"H	8-32 VDC	2 years
pixel count	focal plane array type	video output	standard lens	focus	detect person at	LCD display interface	output resolution
160 x 120	amorphous silicon microbolometer	NTSC	25 mm focal length	fixed or manual	1,000 feet	5-pin connector	320 x 240 pixels
model	spectral response	magnification	field of view	weight	dimensions	power source	warranty
Thermal-Eye TSCss	7-14 microns	up to 1,000 feet	17° x 12°	14 ounces	7.7"L x 1.9"W x 2.3"H	24 VAC or 9-30 VDC	2 years
pixel count	focal plane array type	video output	FOV alternatives	focus	detect person at	color	synchronization
160 x 120	amorphous silicon microbolometer	NTSC	50° x 35°	fixed or manual	1,000 feet	silver	line sync w/ 24 VAC
model	spectral response	magnification	field of view	weight	dimensions	power source	warranty
Thermal-Eye TSCxp	7-14 microns	up to 1,000 feet	17° x 12°	16 ounces	8"L x 1.9"W x 2.3"H	24 VAC or 9-30 VDC	2 years
pixel count	focal plane array type	video output	FOV alternatives	focus	detect person at	color	synchronization
160 x 120	amorphous silicon microbolometer	NTSC	50° x 35°	fixed or manual	1,000 feet	black	line sync w/ 24 VAC

lasers/flashlights

intelligent dual beam aiming laser

The Dual Beam Aiming Laser (DBAL) waterproof system makes it easy to move from a visible daytime laser to an infrared night time laser. A variation of the DBAL system is available with an infrared aiming laser sight and infrared illuminator. Available with an Infrared (835nM) diode. Available Only to Law Enforcement and Military Agencies on an Agency Purchase Order.

laser features

- Waterproof to 20 meters
- User can select from up to 8 pulse rates: from continuous ON to a combination of short and long pulses
- Low power eye-safe training mode reduces the IR pointer and IR illuminator power to Class 1 eye-safe level
- New, replaceable filter caps can be used to project up to 8 different laser beam patterns
- Optional filter caps cover reduces the laser pointer and illunminator output power to Class 1 eye-safe level
- Windage and elevation in precise 0.4 milliradian clicks



visible laser

The AR-2A for the AR-15 and M-16 rifle mounts on the front sight of the firearm. This popular system mounts directly in line with the barrel of the weapon and does not take up any valuable space on the foregrip of the weapon. Available with an Infrared (835nM) diode to Law Enforcement and Military Customers Only.

tactical flashlight

OP-6 Operator™ tactical lights provide a blinding white light. All Operator lights are designed to withstand rugged law enforcement use. The patented shock absorbing design allows the light to be used on large caliber rifles and shotquns.





U.S. Night Vision carries a complete line of laser aiming devices for rifles pistols, shotguns and submachine guns, like the DBAL, OTAL, MR-2 and ITAL systems for all military style weapons and the Universal AR-2A for the M-4, M-16 and AR-15 rifles. Also available is an aiming laser system for the MP5: The MP5 Dual Beam Aiming Laser — for all H&K rifles and submachine guns. A combination laser and laser mount system is also available for most weapons.

We also carry a line of high quality tactical lights for use on rifles and submachine guns. These rugged waterproof lights offer the ability to brightly illuminate the target in low light conditions. OP-6 Operator™ lights can be mounted with or without a laser on a variety of military, law enforcement and home defense weapons. Popular combinations include the 6-volt light mounted on the AR-15 style rifle and the H&K MP5. A full line of accessories, including tactical pressure pad switches and infrared filters, are available to customize the Operator™ lights. Contact us for product details. (Mfg. by Laser Devices, Inc)

digital viewers







NiteMax digital viewers

The NiteMax Viewer is a portable digital night vision viewing device. The digital technology which allows the NiteMax to work in low light is currently used in high-end surveillance systems and has now been adapted for use in a hand-held, battery powered unit. Unlike image intensified night vision technology, the NiteMax Viewer can be used in any lighting condition without damage to the system. The NiteMax utilizes specially manufactured infrared diodes that are focused and tuned to the sensor to allow for maximum distance and clarity in low-light applications.

The NiteMax is a versatile device that performs, in many ways, better than current image intensified night vision viewers. Attaching the NiteMax to video capture devices such as camcorders, laptops, VCR units, the NiteMax can record your night vision images clearly and efficiently. The NiteMax can be powered by an auxiliary AC/DC power source. The image is displayed on a 2.5" TFT-LCD, the same display that is used in millions of camcorder products worldwide. This high-res display easily allows for single and multiple user viewing. The NiteMax is perfect for surveillance, nature studies, and can turn your camcorder into a state-of-the-art night vision camera (RCA input jack required on camcorder).

"The NiteMax is incredible. With bright lights lit up all around me, I was able to see clearly in the dark corners of a freight container. I feel much safer knowing what I am walking into, before I actually get there," remarked a security guard working the docks in Long Beach, CA. One of our customers reported that while using his NiteMax (with a 75mm lens) on his boat, he was able to see other boats over 400 meters away. Digital Dan at CBS news recently said, "This night vision device is hardly a toy: high-output LED's send out infrared light more than 300 feet. The digital chip magnifies the light and you can see remarkably clearly in low-light situations. I've used night scopes that cost \$5,000 that couldn't produce such clear imagery as this one does." He called the NiteMax "Extraordinary."

	S P	E C I	F I C	A T I	0 N S		
model	display/resolution	digital zoom	field of view	weight	dimensions	battery	warranty
NiteMax	2.5" b&w LCD 420 tv lines	N/A	40 degrees	16 ounces	3.5" x 3.5" x 2.5"	3V Lith.	1 year
NiteMax Ultra Zoom	2.5" b&w LCD 420 tv lines	3x	40 degrees	16 ounces	3.5" x 3.5" x 2.5"	3V Lith.	1 year
NiteMax Ultra Color	2.5" color LCD 525 tv lines	3x	40 degrees	16 ounces	3.5" x 3.5" x 2.5"	3V Lith.	1 year

boresight kits/heatseeker

Aimshot BoreSight kit

A simple, easy, and inexpensive way to accurately Bore Sight your weapon is to use this great Bore Sight from AimSHOT. By installing a diode into a (.223 Rem. for rifle and 9mm, 30cal for a pistol), and utilizing an assortment of arbors (except 9mm no arbor required) it is possible to Bore Sight virtually any caliber weapon. The AimSHOT Bore Sight is manufactured in accordance to the highest military and industry standards with the latest cutting edge technology. This is an invaluable tool for any gun enthusiast! The AimSHOT Bore Sight will save time and ammo while allowing you to sight your weapon in an area where discharging a firearm may not be possible. Gunsmiths, hunters, gun shop owners, and law enforcement personnel consider the AimSHOT a must when bore sighting their firearms equipment.



Aimshot HeatSeeker

The HeatSeeker works by detecting heat sources and motion of heat to help find game or humans. Temperatures are read as Infrared light waves which appear on the digital bar graph display and are pin-pointed by the built-in laser and Infrared laser. In addition, a squelch can also be heard through the ear plug. The AimSHOTTM HeatSeeker 3500 has awesome high-impact, plastic construction and comes in Camouflage or Stealth Black.

model	-	P E C I max. sighting range	F I C wave length	A T I operation	O N S battery life	laser type	power
BoreSight	15 yards	100 yards	645nm	on/off end cap	1 hour continuos	visible red diode	<5mW
power supply	construction	dot size	rifle/shotgun calibers	pistol calibers	warranty		
(3) LR41 Batteries for 223 (2) D364 For 9mm & 30 cal	brass	1.5" @ 100 yards	.223 - 50 cal 12gauge	32 -9mm	1 year		
model	detection range	power consumption	laser wavelength	infrared wavelength	laser output	infrared output	laser current
HeatSeeker	2 to 900 feet	~6mA	~650nm	~850nm	<5mW	<5mW	35-40mA
infrared current	volume control	gain control	power shut-off	diameter	length	weight	warranty
30-35mA	7 increments	64 increments	auto 20 min. idle	1.75″	7"	8.5 ounces	2 years

accessories















hard storage case

U.S. Night Vision carries a variety of accessories to compliment any night vision system. Please call us, or go online to our web site for more information, product details, and to purchase the products and accessories that we offer.

bulletproof clothing



armored CWU-45/P flight jacket style #IA0051

The CWU 45/P Flight Jacket is a version of the current issue USAF Flight Jacket. Fitted with the most advanced soft body armor available, this CWU 45/P will help protect you wherever you are. Available in level 2A, 2, and 3A protection. The Jacket is made of 100% flight nylon satin water-repellent outer shell, quilted nylon lining and polyester fill for warmth and comfort. Features knit cuffs and waistband, storm flap, two fully lined cargo pockets, and a combination utility pocket on the sleeve. Removable Velcro logo patch. Colors: Black, Navy, Sage, Silver.



armored MA-1 intermediate flight jacket style #IA0050

This lightweight classic MA-1 Flight Jacket is fitted with the most advanced soft body armor available today. The MA-1 is available in level 2A, 2 and 3A protection. The Jacket is made of 100% flight nylon shell with nylon flight lining and polyester batting interlining for warmth and comfort. Features front closure storm flap, knit collar, waistband and cuffs. Also includes signature combination utility pocket on the sleeve. Colors: Black, Navy, Sage.



military tactical vest style #IA0018

Developed to offer optimum mobility and protection. Full side and Shoulder adjustment for perfect fit. Pockets are provided for front and rear 10" x 12" optional strike plates. Optional collar and groin protector are also available. Available in level 3A Protection.



concealable body armor male/female side style panel style #IA0011/#IA0020

The Side Panel Style offers full front, back and side protection. A "shirt tail" provides wearer with a comfortable fit. Every concealable vest comes with a free front strike plate, plus a free machine-washable outer carrier. Available in level 2A, 2, and 3A protection.



modular vest style #IA0016

Designed to accept various modular equipment pockets, this vest will accommodate right or left-handed personnel easily. Front and rear pockets accept optional 10" x 12" strike plates. The Modular Vest offers full upper torso protection with optional collar and groin protector. Overlapping front panels provide exceptional body protection. Available in level 3A protection.

Ballistics Ratings

Threat Level 2A		Velocity	1
Bullet Type	Barrel	FPS	MPS
.22 Mag 40-GR SP	6.5"	1180	360
12 Gage "00" Buck	18"		
9mm 147-GR Subsonic	5"	1050	19
9mm 147-Gr JHydraShok	5"	1050	319
9mm 124-Gr FMJ	4"	1090	332
9mm 115-Gr JHP	4"	1060	354
9mm 95-Gr JSP	4"	1250	381
9mm 100-Gr JHP	4"	1250	381
.38 Spl 125-GrSJHP+P	6"	1028	314
.38 Spl 125-GRlead + P	6"	1090	332
.38 Spl 110-GrJHP+P	6"	1235	377
.357 Mag 158-GrJSP	4"	1250	381
.357 Mag 158-Grlead	4"	1250	381
.357 Mag 158-GrleadSW	C 4"	1253	382
10mm 200-Gr FJ-TC	5"	1075	327
10mm 170-Gr JHP	5"	1175	357
.41 Mag 210-Gr lead	8 3/8"	1080	329
.45 ACP 2300Gr FMJ	5"	810	247

Threat Level 2		Velocit	y
Bullet Type	Barrel	FPS	MPS
.22 Mag 40-GR SP	6.5"	1180	360
12 Gage "00" Buck	18"		
9mm 147-GR Subsonic	5"	1050	319
9mm 147-Gr JHydraShok	5"	1050	319
9mm Cavim-FMJ	4"	1110	339
9mm 115-Gr JHP	4"	1160	354
9mm 115-Gr Silvertip	5"	1170	355
9mm 124-Gr FMJ	5"	1175	358
9mm 95-Gr JSP	4"	1250	381
9mm 100-Gr JHP	4"	1250	381
.38 Spl 125-GrSJHP+P	6"	1028	314
.38 Spl 125-GRlead + P	6"	1090	332
.38 Spl 110-GrJHP+P	6"	1235	377
.357 Mag 158-GrJSP	4"	1250	381
.357 Mag 158-Grlead	4"	1250	381
.357 Mag 158-GrleadSW	C 4"	1253	382
.357 Mag 158-Gr JSP	6"	1395	425
.357 Mag 158-Gr lead	8 3/8"	1410	430
.357 Mag 158-Gr JSP-Ho	or 6"	1445	441
.357 Mag 125-Gr JHP	4"	1450	442
.357 Mag 110-Gr JHP	4"	1550	473
10mm 200-Gr FJ-TC	5"	1075	327
10mm 170-Gr JHP	5"	1175	357
10mm 175-Gr Silvertip	5"	1225	372
.41 Mag 210-Gr lead	8 3/8"	1080	329
.41 Mag 210-Gr	4"	1300	397
.44 Mag 240-Gr JSP	4"	1180	360
.44 Mag 240-GrleadSWC	4"	1200	366
.45 ACP 2300Gr FMJ	5"	810	247

Bullet Type	Barrel	FPS	MP
.22 Mag 40-GR SP	6.5"	1180	360
12 Gage "00" Buck	18"		
9mm 147-GR Subsonic	5"	1050	31
9mm 147-Gr JHydraShok	5"	1050	31
9mm Cavim-FMJ	4"	1110	33
9mm 115-Gr JHP	4"	1160	35
9mm 95-Gr JSP	4"	1250	38
9mm 100-Gr JHP	4"	1250	38
9mm 124-Gr FMJ	4"	1090	33
9mm 116-Gr Norma FMJ	4"	1150	35
9mm 115-Gr Silvertip	5"	1170	35
9mm 124-Gr FMJ	5"	1175	35
9mm 115-Gr FMJ Israeli	4"	1200	36
9mm 123-Gr Lapau FMJ	4"	1200	36
9mm 123-Gr GECO FMC	4"	1200	36
9mm 116-GRFMJ Musgrv	/e 5"	1230	37
9mm 116-Gr CanadianFM	J 4"	1250	38
9mm 115-Gr JHP+P	5"	1345	40
9mm 124-Gr FMC	9.5"	1400	42
.38 Spl 125-GrSJHP+P	6"	1028	31
.38 Spl 125-GRlead + P	6"	1090	33
.38 Spl 110-GrJHP+P	6"	1235	37
.357 Mag 158-GrJSP	4"	1250	38
.357 Mag 158-Grlead	4"	1250	38
.357 Mag 158-GrleadSW	C 4"	1253	38
.357 Mag 158-Gr JSP	6"	1395	42
.357 Mag 158-Gr lead	8 3/8"	1410	43
.357 Mag 158-Gr JSP-Ho	or 6"	1445	44
.357 Mag 125-Gr JHP	4"	1450	44
.357 Mag 110-Gr JHP	4"	1550	47
10mm 200-Gr FJ-TC	5"	1075	32
10mm 170-Gr JHP	5"	1175	35
10mm 175-Gr Silvertip	5"	1225	37.
.41 Mag 210-Gr lead	8 3/8"	1080	32
.41 Mag 210-Gr	4"	1300	39
.44 Mag 240-Gr JSP	4"	1180	36
.44 Mag 240-GrleadSWC	4"	1200	36
.44 Mag 240-GrSWC	6"	1400	42
.45 ACP 2300Gr FMJ	5"	810	24

night vision course









dispute calls and serve warrants, you must be prepared to fight in the dark. U.S. Night Vision has teamed up with Direct Measures International to offer cutting-edge training in the tactical use of night vision technology. We provide operators with effective skills to quickly and safely dominate close quarter confrontations in the low-light/darkness environment. The skills taught are all compatible with high-speed transitions to and from long guns/handguns and with the use of tactical illumination.

You will learn:

- Use of Night Vision devices and non visible light
- Engagement tactics for teams and partners
- Target isolation and weapons identification
- Low-light shooting and tactical illumination
- Negligent discharge avoidance and safety
- Engaging multiple and moving targets
- Communication in low-light conditions
- Stealth movement and vision control
- Tactical reload and stoppage drills
- Weapon transition and retention
- · Shoot/No shoot decision making
- Shooting on the move



Sign up now to gain the best tactical advantage and to receive an instant discount on your next purchase of USNV technology.





















Frequently Asked Questions

How Can I Purchase Optical Equipment

You can pay for your Optical Viewing System by utilizing the various methods we provide you to simplify the ordering process. You can use the SECURE online purchasing system, request an online quote, fax in a request, or you can call in your order. Our website and properties give our customers a night vision forum which is used by thousands of users every month to get ideas, feedback and other valuable data information that can be used in making the perfect purchase for your needs. If you in any way have questions, doubts, issues, or simply need help, you can contact our online 'Ask An Expert' communications forum located on the homepage.

What Payment Options Does U.S. Night Vision Corporation Provide?

We offer various methods of payment for ease of shopping and hassle-free order processing. Currently we utilize the following payment methods:

Credit Card: Visa, Amex, Discover/Novus, MasterCard (Secure Online or Offline) Check: Personal or Company Checks (Approval and Verification Required)

Net: Net 5, Net 10, Net 15, Net 30 (Must be Pre-Approved)

Our Online shopping experience has been re-invented to simplify the purchasing process for all End-Users. We have also added the trusted SSL (Secure Sockets Layer) security of a Thawte Security Certificate which allows us to securely process information online via the HTTPS internet protocol. If you are a previous customer and have an online account, you can ALWAYS order securely online since all your payment options are saved in your profile, including Checks, Credit Cards and Net payment methods if applicable to your account.

Can I Purchase Optical Equipment From Outside The U.S.?

U.S. Night Vision is one of FEW U.S.-based optics equipment manufacturers that can help you get an exporting license if indeed your Country, Government or Law Enforcement Agency is qualified to receive this type of equipment from the U.S. market. To find out more information on this topic we suggest you visit the ITAR (International Traffic in Arms Regulations) reference center by clicking the ITAR logo on our web site. We are regulated by Article 22 CFR Parts 120-130. Once you have reviewed said documentation and believe you are qualified to purchase and export optical equipment, please contact U.S.

Night Vision Corporation for the start of the expedited process in getting the proper licensing necessary to export your new equipment.

NO SALE WILL BE MADE TO ANY COUNTRY OR INDIVIDUAL UNLESS THESE RULES AND REGULATIONS HAVE BEEN MET. ALL INTERNATIONAL AND FLEET PURCHASES ARE SUBJECT TO SCRUTINY BY THE GOVERNMENT OF THE UNITED STATED OF AMERICA. WE SUPPORT THE WAR ON TERRORISM AND WILL DO OUR PART TO KEEP OUR TECHNOLOGY, DATA, COMMUNICATIONS AND EMPLOYEES SECURE AND SAFELY AWAY FROM THE WRONG HANDS.

Who Is Allowed To Purchase Multiple Optical Devices?

We sell multiple devices to anyone in the U.S. who is a legal citizen or company within the borders of the U.S.A. and has made payment for the purchase. Dealers, Law Enforcement Agencies, Military Personnel and Re-Sellers are usually the type of customer that is sold multiple devices. You can request a price quote by utilizing our online e-com system. Requesting a price quote does not require any Payment information.

What Type of Warranty Does U.S. Night Vision Provide For Its Products?

All devices before dispatch pass a major check-up on quality, durability, usability and craftsmanship, as is the case with most of our products that are "Made in the USA". We make charge-free repairs within 12 months from the moment of sale if a device's case and/or external parts of a lens and/or eyepiece are not damaged. Term of paid technical/repair service and technical support is not limited unless it is found that the reason for product failure is due to negligence on the part of the user. Up to the moment of dispatch the buyer has the right to require the refund without explanation of reasons. During 15 days from the moment of obtaining the product, the buyer has the right to return it and to exchange for another model.

U.S. Night Vision offers free trial for Law Enforcement, Government and Military Agencies. Ask a U.S. Night Vision representative for more information on our free trial offer.



LOCATIONS

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