



ABOUT NIGHT VISION DEVICES

Night Vision Devices is a premier manufacturer of night vision systems. Most of the systems we manufacture use full MIL SPEC components and are the same versions fielded by the US Department of Defense. We are a leader in the production of night vision tactical equipment; specializing in the design, product development and large-scale production of Image Intensified systems.

Night Vision Devices provides customers with honest and reliable information, quality products and services at the best prices available. Our highly experienced sales team and well-rounded

product line ensure that our customers purchase the system that will be most useful in fulfilling their requirements.

Specifications subject to change without notice. Export of the commodities described herein is strictly prohibited without a valid export license issued by the U.S. Department of State Office of Defense Trade Controls prescribed in the International Traffic in Arms Regulation (ITAR), Title 22, Code of Federal Regulations, Parts 120-130. All orders must be accompanied by our End User Statement.



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ABOUT US

Founded in 2005, Night Vision Devices (NVD) has grown to be the third largest manufacturer within the USA for Image Intensified (I²) Night Vision Products. With over 35,000 square feet of production space, NVD has the capability to provide custom solutions of any size.

Each NVD system product line has been rigorously tested prior to market entry and have been validated through extensive tactical operator use. NVD adheres to the most strenuous military testing procedures, quality assurance and production-controlled procedures in the industry. As an example, the organization maintains a Quality Management System that provides compliance in accordance with the requirements established via ISO 9001:2015 for the design, production and marketing of electro-optical systems.

IMAGE INTENSIFIERS

With our expansive capabilities and strategic partnerships, we are able to custom build any of our NVD manufactured products with **Image Intensifiers** from either **Elbit Systems of America**[®], **Photonis**[®] or **L3Harris**[®]. This includes green and white phosphor, thin or un-filmed, and 16mm or 18mm image tubes.



The MX10160 type is an image intensifier available in both 16mm or 18mm. It is found in the AN/AVS-6 & 9 Aviators Night Vision Imaging Systems (ANVIS), most weapon sights, and many different goggles and monocular systems.



The MX10130 type is an 18mm image intensifier. It is used in the AN/PVS-7, B, C & D binocular series of night vision goggles along with a few weapon sights.



The MX11769 type is an image intensifier available in both 16mm or 18mm. The MX11769 is the most widely used image intensifier and is used in the AN/PVS-14 night vision monocular and several weapon sights and goggles.

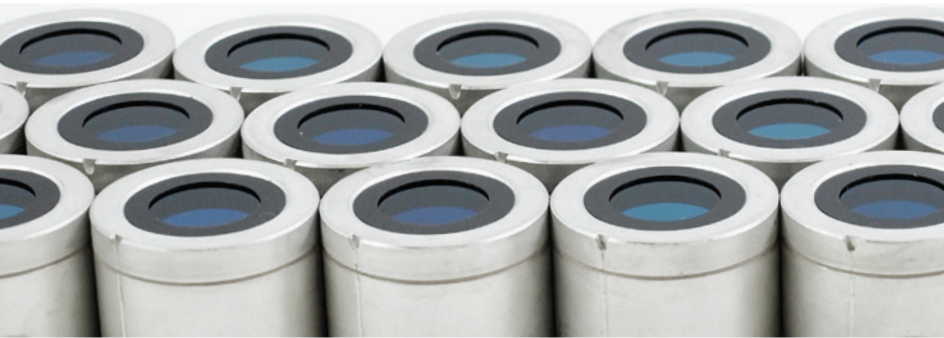


FIGURE OF MERIT (FOM)

The FOM, or Figure of Merit is a number calculated by multiplying the Signal-to-noise ratio by the resolution of an image intensifier. The FOM number allows a quick estimate of the general performance level of that image intensifier. Every order will come with spec sheet for the image intensifier tube that states that tube's characteristics and its compliance with advertised specs.

GENERATIONS

Generations refer to differences in performance over the years. Since its creation, night vision was developed to allow people to see better and sharper images in low light areas.

Gen I: Developed in the 1960s, Gen I systems utilized the basic principles which will amplify the existing light several thousand times letting you clearly see in the dark. These Gen I systems provide a bright image, however they are not very clear or distinguishable. Gen I lifespan 1000 hours.

Gen II: Developed in the 1970s, Gen II offered a substantial increase in performance over Gen I systems. This performance enhancement was obtained by the addition of a micro-channel plate, commonly referred to as a MCP. The MCP works as an electron amplifier and is placed directly behind the photocathode. The MCP consists of millions of short parallel glass tubes. When the electrons pass through these short tubes, thousands more electrons are released. Gen II lifespan 2000 to 4000 hours.

Gen III: Developed in the 1980s, Gen III systems offer the highest clarity and performance in extreme darkness that is currently available. Gen III systems use a gallium arsenide photocathode film to increase their performance over Gen II systems. In the last 10 years or so, Gen III systems have had upgrades such as thin films and gated power supplies (Pinnacle) incorporated into them, which have even further enhanced the performance of Gen III tubes. This makes them the highest performance image intensifiers currently available. Gen III lifespan 12,000+ hours.



Gen IV: When upgrades were made to Gen III tubes, such as gated power supplies and the use of un-filmed or thin filmed photocathode, the manufacturers sought to label these enhancements as Gen IV image intensifiers. However the Department of Defense did not see these enhancements as substantial enough improvements for the creation of a new Gen IV category. Nonetheless some companies still try to use the Gen IV moniker as a marketing ploy to charge more for the same exact Gen III image intensifiers that are already currently available at a substantially lower cost from other manufacturers.



Gen 3 traditional phosphor/P-43



Gen 3 white phosphor/P-45

WHITE PHOSPHOR

Traditional image intensifier tubes use a P-43 phosphor screen output, resulting in the yellow-green image that has become the signature view through most Gen III night vision technology. The White Phosphor tube uses a P-45 phosphor screen, which yields an alternate coloration closer to black and white imagery. This change in color has been reported to enhance overall object recognition while providing contrast sensitivity equivalent to green phosphor.



PARTS AND REPAIRS

Night Vision Devices is one of the largest stocking distributors and manufacturers of night vision systems, image intensifiers and parts. We carry parts in stock for almost every major night vision system ever fielded by the US Military. Due to our large parts inventory we can turn most repairs around in 1-2 weeks using the same components used during original manufacture. We utilize the Hoffman ANV-126 test set for evaluation and repair of all of the night vision systems we service. Use of these test sets ensures the utmost in system performance, calibration and compliance to MIL SPECS.



TRAINING

NVD offers training solutions for both operators and maintainers in an efficient, professional, and cost-effective manner. The NVD Team has over 100 years of combined experience in creating courses and conducting training specifically tailored to the needs of a customer. NVD's instructors come from a diverse background including US Military and Law Enforcement. NVD offers training at its headquarters in Pennsylvania, other Continental United States (CONUS) locations, and internationally through the use of Mobile Training Teams. NVD does not offer courses that are open enrollment. Some courses require current military, law enforcement, or credentialed professional security status.

PVS-14 TO BNVD-SG CONVERSION



NVD exclusively offers the ability to convert two PVS-14 monocular systems into a single fully collimated MILSPEC BNVD-SG binocular product with Gain Control. This capability can be implemented seamlessly by NVD's Production Engineering personnel. The result provides improved ergonomics; operational performance features and a more streamlined and simplified maintenance/sustainment model.



STANDARD WEIGHT

GAIN CONTROL

STANDARD KNOBS



PVS-14

[NIGHT VISION MONOCULAR]

WARRANTY:	10 YEAR
EYE RELIEF:	25MM
POWER SOURCE/LIFE:	(1) AA-SIZE BATTERY/50+ HRS
FOCUS RANGE:	9.8" TO INFINITY
MAGNIFICATION:	ONE POWER (1X)
OBJECTIVE LENS:	27MM, F/1.2
MAGNIFICATION:	ONE POWER (1X)
FIELD OF VIEW:	40°
DIOPTER ADJUSTMENT:	-6 TO +2
WEIGHT:	309 G (10.9 OZ) W/O BATTERY
DIMENSIONS:	4.5" X 2.5" X 2.75"

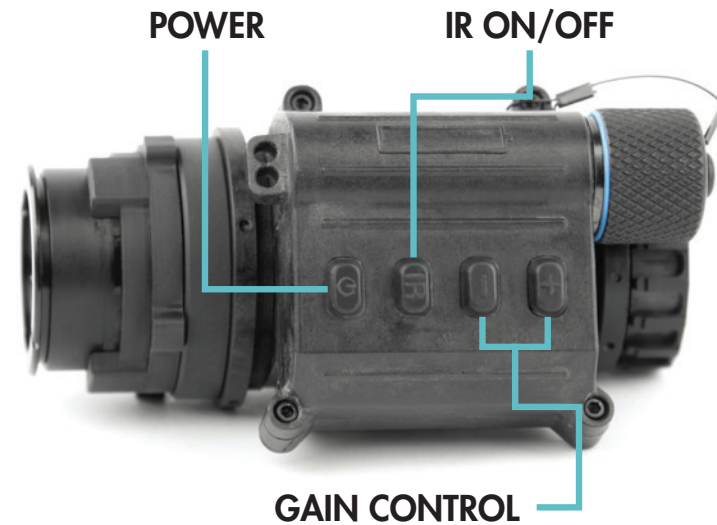
Standard accessories: Soft Carry Case, (2) AA Batteries, Demist Shield, Sacrificial Filter for Objective Lens, Head/Helmet Mount Adapter (J-arm), Head-mount Assembly with 3 Brow Pads, Lens Tissue, Neck Cord, Eye-Cup, and Front Lens Cap. See optional accessories on page 19.

At 309 Grams, the **NVD-PVS-14 Night Vision Monocular** is the all around best multi functional night vision monocular available. Head or helmet mounted, the PVS-14 allows the user to retain their night adapted vision in one eye while viewing their surroundings through the illuminated eyepiece of the PVS-14. Another strength is its ability to be weapon mounted behind most collimated daylight aimers and Reflex sights such as the ACOG, Aimpoint and EOTech systems. This allows the user the ability to use their PVS-14 both as a night vision monocular for increased mobility and tactical awareness and as a short range weapon sight. NVD can customize builds for the PVS-14 with Image Intensifiers from either Elbit Systems of America®, Photonis® or L3Harris®. NVD can additionally deliver many system applicable accessories for end-user kit customization to meet every low-light requirement for ground mission applications.



WARRANTY:	10 YEAR
EYE RELIEF:	25MM
POWER SOURCE/LIFE:	(1) AA-SIZE BATTERY/50+ HRS
FOCUS RANGE:	9.8" TO INFINITY
OBJECTIVE LENS:	27MM, F/1.2
MAGNIFICATION:	ONE POWER (1X)
FIELD OF VIEW:	40°
DIOPTRER ADJUSTMENT:	-6 TO +2
WEIGHT:	237 G (8.4 OZ) W/O BATTERY
DIMENSIONS:	4.5" X 2.5" X 2.75"

Standard accessories: Soft Carry Case, (2) AA Batteries, Demist Shield, Sacrificial Filter for Objective Lens, Head/Helmet Mount Adapter (J-arm), Head-mount Assembly with 3 Brow Pads, Lens Tissue, Neck Cord, Eye-Cup, and Front Lens Cap. See optional accessories on page 19.



LIGHT WEIGHT

GAIN CONTROL

PUSH BUTTONS

UL PVS-14

[NIGHT VISION MONOCULAR]



At 237 Grams, the **Ultra-Light PVS-14 (UL PVS-14) Night Vision Monocular** utilizes new light weight optics and a revised battery housing which uses digital push button switches instead of the heavy analog switches. The new push button switches offer the same features of the standard PVS-14: one button for power on/off, one button for turning on and off the IR LED, and two switches (+/-) for raising and lowering the Gain Control. The new light weight UL PVS-14 optics are optimized for White Phosphor (P-45) image intensifiers, which result in an overall better image with white phosphor tubes than standard optics. NVD can customize builds for the UL PVS-14 with Image Intensifiers from either Elbit Systems of America®, Photonis® or L3Harris®. NVD can additionally deliver many system applicable accessories for end-user kit customization to meet every low-light requirement for ground mission applications.



STANDARD WEIGHT

SINGLE GAIN

STANDARD KNOBS



BNVD-SG

[NIGHT VISION BINOCULAR]

WARRANTY:	10 YEAR
GAIN CONTROL:	SINGLE KNOB
POWER SOURCE/LIFE:	(1) AA-SIZE BATTERY/25+ HRS
FOCUS RANGE:	9.8" TO INFINITY
SUBMERSIBLE:	66 FT UP TO 2 HRS
MAGNIFICATION:	ONE POWER (1X)
FIELD OF VIEW:	40°
DIOPTRER ADJUSTMENT:	-6 TO +2
INTERPUPILLARY ADJUSTMENT:	51MM TO 76MM
WEIGHT:	540 G (19 OZ) W/O BATTERY
DIMENSIONS:	4.3" X 4.2" X 3.3"

Standard accessories: Soft Carry Case, Demist Shields, Lightweight Sacrificial Windows, IR Spot/Flood Lens, Dovetail Mounting Adapter, Lens Tissue, (2) AA Batteries, Operator's Manual & Card, Neck Cord, Eyecups, & Retaining Lens Covers.

Optional Accessories: Battery pack for an additional an additional 85+ hours of continual use for extended missions. See more optional accessories on page 19.

With a total system weight of 540 grams, the **BNVD-SG is a Dual Tube Goggle** that provides a single-gain component for image intensified brightness control. Depending on the amount of ambient light the system is operationally being used, the user can lower the tube brightness (gain) to compensate for overly bright conditions or increase the gain under extreme low-light environments. The BNVD-SG is one of NVD's most economical manufactured binocular systems in that it incorporates 90% of the same components utilized in the AN/PVS-14 monocular system. The BNVD-SG can additionally be utilized as a monocular by selecting which side you want to use as your night vision eye and then simply rotating the other not-in-use binocular arm out of line of sight. This enhanced capability allows the user to rotate either monocular channel away from their eye while leaving the other monocular channel in place. NVD can customize builds with Image Intensifiers from either Elbit Systems of America®, Photonis® or L3Harris®. NVD can additionally deliver many system applicable accessories for end-user kit customization to meet every low-light requirement for ground mission applications.



WARRANTY:	10 YEAR
GAIN CONTROL:	NONE
POWER SOURCE/LIFE:	(1) AA-SIZE BATTERY/25+ HRS
FOCUS RANGE:	9.8" TO INFINITY
SUBMERSIBLE:	66 FT UP TO 2 HRS
MAGNIFICATION:	ONE POWER (1X)
FIELD OF VIEW:	40°
DIOPTR ADJUSTMENT:	-6 TO +2
INTERPUPILLARY ADJUSTMENT:	51MM TO 76MM
WEIGHT:	525 G (18.5 OZ) W/O BATTERY
DIMENSIONS:	4.3" X 4.2" X 3.3"



STANDARD WEIGHT

NO GAIN

STANDARD KNOB

BNVD

[NIGHT VISION BINOCULAR]

Standard accessories: Soft Carry Case, Demist Shields, Lightweight Sacrificial Windows, IR Spot/Flood Lens, Dovetail Mounting Adapter, Lens Tissue, (2) AA Batteries, Operator's Manual & Card, Neck Cord, Eyecups, & Retaining Lens Covers.

Optional Accessories: Battery pack for an additional 85+ hours of continual use for extended missions. See more optional accessories on page 19.



With a total system weight of 525 grams, the **BNVD Binocular is a Dual Tube Night Vision Goggle** that provides enhanced depth perception and supportability at the most economical price point. The BNVD features a "Tactical Monocular Cutoff", which turns off power to each channel of the binocular whenever a channel is rotated up out of the users' line of sight. This eliminates stray light emitting from the monocular eyepiece, which would reveal the user to anyone else on the battlefield. The BNVD has an automatic system power cutoff whenever the BNVD is flipped up into the helmet mounted stow position, and then powers back on when it is flipped back down. NVD can customize builds for the BNVD with Image Intensifiers from either Elbit Systems of America®, Photonis® or L3Harris®. NVD can additionally deliver many system applicable accessories for end-user kit customization to meet every low-light requirement for ground mission applications. Like all NVD goggles, this system features a complete diopter focus of +2 to -6, and IR LED and a close focus of 9.8 inches (25 cm) and a 66 foot submersion capability.



LIGHT WEIGHT

SINGLE GAIN

STANDARD KNOBS



UL BNVD-SG

[NIGHT VISION BINOCULAR]

WARRANTY:	10 YEAR
GAIN CONTROL:	SINGLE KNOB
POWER SOURCE/LIFE:	(1) AA-SIZE BATTERY / 25+ HRS
FOCUS RANGE:	9.8" TO INFINITY
SUBMERSIBLE:	66 FT UP TO 2 HRS
MAGNIFICATION:	ONE POWER (1X)
FIELD OF VIEW:	40°
DIOPTRIC ADJUSTMENT:	-6 TO +2
INTERPUPILLARY ADJUSTMENT:	51MM TO 76MM
WEIGHT:	465 G (16.4 OZ) W/O BATTERY
DIMENSIONS:	4.3" X 4.2" X 3.3"

Standard accessories: Soft Carry Case, Demist Shields, Lightweight Sacrificial Windows, IR Spot/Flood Lens, Dovetail Mounting Adapter, Lens Tissue, (2) AA Batteries, Operator's Manual & Card, Neck Cord, Eyecups, & Retaining Lens Covers.

Optional Accessories: Battery pack for an additional 85+ hours of continual use for extended missions. See more optional accessories on page 19.

With a total system weight of 465 Grams, the **UL BNVD-SG, Ultra-Light Dual Tube Goggle with Single Gain Control** incorporates new hybrid polymer/glass optics that are not only extremely light-weight, but they also offer higher performance than standard glass-only optics. Most other night vision systems in the industry today utilize optics designed only for green (P43) phosphor image tubes; whereas, the UL BNVD-SG's optics were designed with visible optimization for both White (P45) and Green (P43) image tubes. The UL BNVD-SG can be used with optional 3X Afocal magnifiers which transforms the system into a fixed 3X magnified binocular. The 3X magnifier(s) can either slide onto each objective lens or can manually be screwed directly into the threading of the objective lenses. NVD can customize builds for the UL BNVD-SG with Image Intensifiers from either Elbit Systems of America®, Photonis® or L3Harris®. Like all NVD goggles, this system features a complete diopter focus of +2 to -6, and IR LED and a close focus of 9.8 inches (25 cm) and a 66 foot submersion capability.



WARRANTY:	10 YEAR
GAIN CONTROL:	NONE
POWER SOURCE/LIFE:	(1) AA-SIZE BATTERY/25+ HRS
FOCUS RANGE:	9.8" TO INFINITY
SUBMERSIBLE:	66 FT UP TO 2 HRS
MAGNIFICATION:	ONE POWER (1X)
FIELD OF VIEW:	40°
DIOPTER ADJUSTMENT:	-6 TO +2
INTERPUPILLARY ADJUSTMENT:	51MM TO 76MM
WEIGHT:	450 G (15.9 OZ) W/O BATTERY
DIMENSIONS:	4.3" X 4.2" X 3.3"



LIGHT WEIGHT

NO GAIN

STANDARD KNOB

UL BNVD

[NIGHT VISION BINOCULAR]

Standard accessories: Soft Carry Case, Demist Shields, Lightweight Sacrificial Windows, IR Spot/Flood Lens, Dovetail Mounting Adapter, Lens Tissue, (2) AA Batteries, Operator's Manual & Card, Neck Cord, Eyecups, & Retaining Lens Covers.

Optional Accessories: Battery pack for an additional 85+ hours of continual use for extended missions. See more optional accessories on page 19.



With a total system weight of 450 grams, the **UL BNVD, Ultra-Light Dual Tube Goggle** provides fully MILSPEC functionality at an economical price-point by utilizing >80% of the same piece-part components used in manufacturing the AN/PVS-14 monocular system. The UL BNVD incorporates high performance optics that are not only much lighter, but also offer higher performance than standard optics. The UL BNVD additionally provides an automatic system power cutoff whenever the system is flipped-up onto the helmet in its mounted stow position; the system then powers back on when flipped back down to the user's eyes. This feature can be disabled off via a four position ON/OFF switch for operational maneuvers that require the system to be continuously ON. The UL BNVD is submersion qualified to 66 feet (20 meters) for 3 hours. The UL BNVD is available with an optional battery pack, which holds 3 "AA" Alkaline batteries for run times exceeding 50 hours of continuous operation. NVDC can customize builds for our UL BNVD system with image intensifiers from either Elbit Systems of America®, Photonis® or L3Harris®.



LIGHTEST WEIGHT

SINGLE GAIN

PUSH BUTTONS



MINI B AAA

[NIGHT VISION BINOCULAR]

The **MINI B AAA, Dual Tube Night Vision Goggle with Single Gain Control**, is part of NVD's new light-weight product line and features the lightest fully functional night vision dual tube goggle in the market. The MINI B AAA can be operated as a monocular by selecting which side you want to use as your night vision eye and then rotating the channel of the binocular not being utilized operationally up and out of the way. The arm that is rotated up will automatically turn off and will power back on when rotated down. The MINI B AAA operates on one "AAA" Battery which can power the system for 10+ hours. This "AAA" battery is housed within a detachable battery compartment which can be removed for additional weight savings when operationally used in conjunction with the system's ancillary battery pack. NVD can customize builds for our MINI B AA system with image intensifiers from either Elbit Systems of America®, Photonis® (16/18mm), or L3Harris®.

WARRANTY:	10 YEAR	
GAIN CONTROL:	SINGLE GAIN CONTROL	
FOCUS RANGE:	9.8" TO INFINITY	
SUBMERSIBLE:	66 FT UP TO 2 HRS	
MAGNIFICATION:	ONE POWER (1X)	
DIOPTER ADJUSTMENT:	-6 TO +2	
INTERPUPILLARY ADJUSTMENT:	51MM TO 76MM	
DIMENSIONS:	4.3" X 4.2" X 3.3"	
POWER SOURCE/LIFE:	(1) AAA BATTERY / 10+ HRS	
	16MM	18MM
WEIGHT W/O BATTERY:	380 G (13.4 OZ)	420 G (14.8 OZ)
FIELD OF VIEW:	38°	40°

Standard accessories: Soft Carry Case, Demist Shields, Lightweight Sacrificial Windows, IR Spot/Flood Lens, Dovetail Mounting Adapter, Lens Tissue, (2) AAA Batteries, Operator's Manual & Card, Neck Cord, Eyecups, and Retaining Lens Covers.

Optional Accessories: Battery pack for an additional 85+ hours of continual use for extended missions. See more optional accessories on page 19.





LIGHTER WEIGHT

SINGLE GAIN

PUSH BUTTONS



MINI B AA

[NIGHT VISION BINOCULAR]

WARRANTY:	10 YEAR	
GAIN CONTROL:	SINGLE GAIN CONTROL	
FOCUS RANGE:	9.8" TO INFINITY	
SUBMERSIBLE:	66 FT UP TO 2 HRS	
MAGNIFICATION:	ONE POWER (1X)	
DIOPTR ADJUSTMENT:	-6 TO +2	
INTERPUPILLARY ADJUSTMENT:	51MM TO 76MM	
DIMENSIONS:	4.3" X 4.2" X 3.3"	
POWER SOURCE/LIFE:	(1) AA BATTERY/25+ HRS	
	16MM	18MM
WEIGHT W/O BATTERY:	395 G (13.9 OZ)	435 G (15.3 OZ)
FIELD OF VIEW:	38°	40°

Standard accessories: Soft Carry Case, Demist Shields, Lightweight Sacrificial Windows, IR Spot/Flood Lens, Dovetail Mounting Adapter, Lens Tissue, (2) AA Batteries, Operator's Manual & Card, Neck Cord, Eyecups, & Retaining Lens Covers.

Optional Accessories: Battery pack for an additional 85+ hours of continual use for extended missions. See more optional accessories on page 19.



The **MINI B AA, Dual Tube Night Vision Goggle with Single Gain Control** is part of NVD's new light-weight product line. The system features a "Tactical Monocular Cutoff" which turns off power to each channel of the monocular whenever a channel is rotated up out of the user's line of sight which assists the warfighter in maintaining light-security on the battlefield. The MINI B AA can operate with either one "AA" Battery which powers the system for 40+ hours, or when used in conjunction with the optional three "AA" battery pack, the MINI B AA will run for a continuous 110+ hours. NVD can customize builds for our MINI B AA system with image intensifiers from either Elbit Systems of America®, Photonis® (16/18mm), or L3Harris®. Like all NVD goggles, this system features our tactical monocular cutoff, a complete diopter focus of +2 to -6, and IR LED and a close focus of 9.8 inches (25 cm).



PVS-7

[NIGHT VISION GOGGLE]

WARRANTY:	10 YEAR
EYE RELIEF:	15MM
POWER SOURCE:	(2) AA-SIZE BATTERIES
BATTERY LIFE:	40+ HRS
FOCUS RANGE:	9.8" TO INFINITY
OBJECTIVE LENS:	27MM, F/1.2
MAGNIFICATION:	ONE POWER (1X)
FIELD OF VIEW:	40°
DIOPTER ADJUSTMENT:	-6 TO +2
WEIGHT:	680 G (24 OZ) W/O BATTERIES
DIMENSIONS:	6" X 6" X 3"

Standard accessories: Soft Carry Case, (2) AA Batteries, Lens Tissue, Head-mount Assembly, Demist Shields, Sacrificial Window and IR Flood/Spot Lens Assembly. See optional accessories on page 19.

The **PVS-7 Goggle** is ideal for search and rescue, law enforcement, home security, outdoorsmen, boaters, campers, wildlife studies, or predator-control. The PVS-7 is built to withstand water immersion, hands-free operation, and utilize quick connect and disconnect features. High light cut-off is built into the unit which will turn the unit off if it is left on during daylight conditions. This system complies with MIL-PREF-49313, MIL-STD-810G. NVD can customize builds for the PVS-7 with Image Intensifiers from either Elbit Systems of America®, Photonis® or L3Harris®. NVD can additionally deliver many system applicable accessories for end-user kit customization to meet every low-light requirement for ground mission applications.



WARRANTY:	1 YEAR
BORESIGHT:	WITHIN .5 MOA
POWER SOURCE/BATTERY LIFE:	(1) AA (24+ HRS) OR 123 (24+ HRS) BATTERY
FIELD OF VIEW:	9°
FOCUS RANGE:	20 METERS TO INFINITY
MAGNIFICATION:	1X (UNITY)
LENS DESIGN:	62MM REFRACTIVE TELEPHOTO LENS
RECOGNITION RANGE:	>700 M (HUMAN, 1/4 MOON) >1000 M (VEHICLE, 1/4 MOON)
WATERPROOF:	3 FT FOR 4 HRS, 66 FT OPTIONAL
WEIGHT:	1.75 LBS. (0.79 KG)
DIMENSIONS:	7.4"L, 3.4"H, 1.5" TO OPTICAL CENTERLINE



UNS-A3

[NIGHT VISION WEAPON SIGHT]

Standard accessories: Operator's Manual, Soft Case, (1) AA Battery, Light Shroud and Lens Cleaning Kit.



The **Knight Vision® UNS-A3 Night Vision Clip-on Weapon Sight** adds night vision capability to existing magnified day scopes and is optimized for use with the Trijicon ACOG or any short to medium length rifle scope with a 2X to 12X+ magnification range. The UNS-A3 utilizes a Minimum FOM 1800 P-45 White Phosphor High Performance GEN 3 image intensifier tube in a proven design lightweight portable design, which is ideal for M4 AR platforms with full rails which also have a front sight. The Knights UNS-A3's patented technology assures the accuracy of your range-tested day scope will not be degraded. The UNS-A3 also features a patented Single Interchangeable Battery (SIB)® which allows the use of either a CR-123 or a single AA battery. The UNS-A3 is designed for weapons such as the M4, M16, SR25 and similarly configured rifles. The system comes with a black matte, corrosion resistant finish (alternate finishes available).



AN/PVS-30

[NIGHT VISION WEAPON SIGHT]

MODEL:	STANDARD	LIGHTWEIGHT
WEIGHT:	2.9 LBS. (1.32KG)	2.3 LBS. (1.04 KG)
DIMENSIONS:	9.58" L, 3.5" H 1.5" TO OPTICAL CENTERLINE	9.56" L, 3.27" H 1.5" TO OPTICAL CENTERLINE
BORESIGHT:	WITHIN .5 MOA	
BATTERY TYPE/LIFE:	(1) AA BATTERY (>24 HRS), OR (1) 123 BATTERY (>36 HRS)	
FOCUS RANGE:	20 M TO INFINITY	
MAGNIFICATION:	1X (UNITY)	
FIELD OF VIEW:	9°	
RECOGNITION RANGE:	>1000 M (HUMAN, 1/4 MOON), >1500 M (VEHICLE, 1/4 MOON)	
WATERPROOF:	3 FT FOR 4 HRS	
WARRANTY:	1 YEAR	

Standard accessories: Operator's Manual, Soft Case, (2) AA Batteries, Light Shroud and Lens Cleaning Kit.

The Knight Vision® MIL Spec AN/PVS-30 Clip-on Weapon Sight, adds the latest high performance Gen 3 light intensification night vision to most rifles and day scopes. The AN/PVS-30 is optimized and tested for medium and long-range sniper weapons including .50 caliber rifles and daysights with magnification up to 20x. The Knight Vision® patented technology makes the AN/PVS-30 universal and assures the accuracy of your range-tested day scope boresight will not be degraded. When the AN/PVS-30 is added in front of your dayscope, your existing optic, eye relief, and cheek weld are undisturbed. The refractive lens provides high performance light collection in a light weight design. The AN/PVS-30 comes in a light weight variant, designed to shed weight without sacrificing capability.



WARRANTY:	1 YEAR
BORESIGHT:	WITHIN .5 MOA
POWER SOURCE:	(1) AA-SIZE OR (1) 123 BATTERY
BATTERY LIFE:	AA EXCEEDS 24 HRS, 123 EXCEEDS 36 HRS
FOCUS RANGE:	20 M TO INFINITY
FIELD OF VIEW:	9°
MAGNIFICATION:	UNITY
RECOGNITION RANGE:	1000 M (HUMAN, 1/4 MOON)
WATERPROOF:	3 FT FOR 4 HRS
WEIGHT:	1.31 KG (2.9 LBS.)
DIMENSIONS:	9.6" (244MM) LONG



UNS-LR A2

[NIGHT VISION WEAPON SIGHT]

Standard accessories: Operator's Manual, Soft Case, (1) AA Battery, Light Shroud and Lens Cleaning Kit.



The Knight Vision® UNS-LR A2 Clip-On Weapon Sight is a product improved version of the AN/PVS-30. The UNS-LR A2 adds the latest high performance Gen 3 light intensification night vision to most rifles and day scopes by attaching to the picatinny rail. This product is appropriate for front line long range rifles. When the UNS-LR A2 is added in front, your existing optic, eye relief, and cheek weld are undisturbed. The refractive lens provides high performance light collection in a light weight design. Knight Vision patented Single Interchangeable Battery (SIB)® allows use of either CR123 or AA single cells, with a battery life exceeding 24 hours while the shooter remains in shooting position.



NVD-790

NVD-750/790

[NIGHT VISION WEAPON SIGHT]

The **NVD-750/790 Dedicated Night Vision Weapon Sights** feature state of the art electronics and optics. These systems are built with a polyamide molded housing for reduced weight and improved recoil resistance. The NVD-750 is a fixed 4X magnification system and the NVD-790 (pictured above) is a fixed 6X magnification system. All are nitrogen purged and waterproof, and feature a dual color Mil-Dot red-on-green or yellow-on-green reticle with adjustable brightness. A standard weaver MIL-STD-1913 rail mount system is connected to the body for ease of use. Both models use two AA batteries for a continuous run time of up to 120 hours and are guaranteed to maintain a zero boresight retention on weapons up to 7.62/.308 caliber.

MODEL:	NVD-750	NVD-790
FIELD OF VIEW:	9°	6.3°
FOCUS RANGE:	21' TO INFINITY	75' TO INFINITY
MAGNIFICATION:	FOUR POWER (4X)	SIX POWER (6X)
OBJECTIVE LENS:	100MM, F/1.5	165MM, F/2.0
WEIGHT (W/O BATTERIES):	910 G (32 OZ)	1220 G (43 OZ)
DIMENSIONS:	9.3" X 3.8" X 3.1"	12.2" X 3.9" X 3.5"
DETECTION RANGE:	UP TO 2130 FT	UP TO 2775 FT
POWER SOURCE/LIFE:	(2) AA-SIZE BATTERIES/UP TO 120 HRS	
DIOPTRER ADJUSTMENT:	+3 TO -4 DIOPTERS	
WARRANTY:	2 YEARS	

Standard accessories: Soft Case, Operator's Manual, Lens Cap, Cleaning Cloth and Batteries.



NVD-750

ACCESSORIES

Based on your application, these accessories will greatly enhance your night vision capabilities and help you get the most out of your equipment. For example: use a shuttered eyeguard for covert operations, attach a camera adapter to capture images/video, extend your visible range with a magnifier, or utilize a helmet mount for hands-free operation. If you have specific questions about which **night vision accessory** will best suit your activity, feel free to contact us and one of our knowledgeable specialists will help you find what you need. We have many accessories available for end-user kit customization to meet every low-light requirement for ground mission applications.



BALLISTIC HELMET
HARD HEADED VETERANS



BUMP HELMET
HARD HEADED VETERANS



**WILCOX L4 G11
HELMET MOUNT**
28300G11-B (PN)
5855-01-610-8704



**WILCOX L4 G22
HELMET MOUNT**
28300G22-T (PN)
5855-01-593-6332



**WILCOX L4 G24
HELMET MOUNT**
28300G24-B (PN)
5855-01-593-6422



**NOROTOS RHNO
HELMET MOUNT**
A3256369 (PN)



**NOROTOS RHNO II
HELMET MOUNT**
1955010BLK-H (PN)



NOROTOS LOSTO MOUNT
1960010BLK-5 (PN)



BATTERY PACK
450175 (PN)



**LIGHTWEIGHT
SACRIFICIAL WINDOW**
450368 (PN)



**CAMERA ADAPTER
(46MM)**
274049-1 (PN)
4310-01-096-1353



**3X & 5X
AFOCAL MAGNIFIERS**
A3256391 (PN 3X)
275095 (PN 5X)



**WILCOX DOVETAIL
J-ARM**
26300G01 (PN)



**WEAVER WEAPON
MOUNT**
A3256348 (PN)
5340-01-446-8588

LASERS

We offer many different laser options for both Civilian and LE applications. Reach out to one of our specialists at sales@nvdevices.com and we will help you find a solution that fits your needs.



BROLIS M3

CLASS: 3B, NOT AVAILABLE FOR CIVILIAN PURCHASE
 BATTERY TYPE/LIFE: (1) CR123A/>3 HOURS
 WEIGHT: 140 G (4.94 OZ) W/O BATTERY

	<u>OUTPUT POWER</u>	<u>WAVELENGTH</u>
VISIBLE GREEN LASER:	10mW (max)	510-530nm
IR LASER:	30mW (max)	830-870nm
IR ILLUMINATOR:	75mW (max)	830-870nm



STEINER DBAL-A3

CLASS: IIIA, AVAILABLE FOR CIVILIAN PURCHASE
 BATTERY TYPE/LIFE: (1) CR123A/>3 HOURS
 WEIGHT: 226.8 G (8 OZ) W/BATTERY

	<u>OUTPUT POWER</u>	<u>WAVELENGTH</u>
VISIBLE GREEN LASER:	<5 mW	532 nm
IR LASER:	<0.7 mW	850 nm
IR ILLUMINATOR:	<4.0 mW	835 nm



WILCOX RAID XE

CLASS: 3B, NOT AVAILABLE FOR CIVILIAN PURCHASE
 BATTERY TYPE/LIFE: (1) CR123/>8HRS
 WEIGHT: 153.09 G (5.4 OZ) W/BATTERY

	<u>OUTPUT POWER</u>	<u>WAVELENGTH</u>
RED VISIBLE LASER:	15mW	640nm
GREEN VISIBLE LASER:	15mW	520nm
IR LASER:	27-30mW	850nm
IR ILLUMINATOR:	75mW	860nm



EOTECH ATPIAL-C

CLASS: 3B, AVAILABLE FOR CIVILIAN PURCHASE
 BATTERY TYPE/LIFE: (1) CR123/>6HRS
 WEIGHT: 212.6 (7.5 OZ) W/BATTERY

	<u>OUTPUT POWER</u>	<u>WAVELENGTH</u>
VISIBLE LASER:	4.0 mW	605-665 nm
IR LASER:	25 mW (max)	820-850 nm
IR ILLUMINATOR:	30 mW (max)	820-850 nm



L3-HARRIS AN/PEQ-15

CLASS: 3B, NOT AVAILABLE FOR CIVILIAN PURCHASE
 BATTERY TYPE/LIFE: (1) 3 VOLT LITHIUM/>6HRS
 WEIGHT: 212.6 (7.5 OZ) W/BATTERY

	<u>OUTPUT POWER</u>	<u>WAVELENGTH</u>
VISIBLE LASER:	5.0 mW (max)	635nm
IR LASER:	27.5 mW (max)	835nm
IR ILLUMINATOR:	45 mW (max)	835nm



B.E. MEYERS MAWL-C1+

CLASS: 1+, AVAILABLE FOR CIVILIAN PURCHASE
 BATTERY TYPE/LIFE: (1) CR123A/NO INFO AVAILABLE
 WEIGHT: 286.3 (10.4 OZ) W/BATTERY

	<u>OUTPUT POWER</u>	<u>WAVELENGTH</u>
VISIBLE GREEN LASER:	5 mW	520 nm
IR LASER:	0.7 mW (max)	860 nm
IR ILLUMINATOR:	50 mW (max)	860 nm

WARRANTY:	1 YEAR
SENSOR:	640X480 17 μ MICROBOLOMETER
SPECTRAL RANGE:	8-12 μ M (LWIR)
FIELD OF VIEW:	8.30° (H) X 6.23° (V)
FOCAL LENGTH:	75MM
DIGITAL ZOOM:	1X, 2X, 4X
MAGNIFICATION:	UNITY
BATTERY TYPE / LIFE:	3 AA BATTERIES / >4 HRS
DETECTION / RECOGNITION:	2.5 / 0.7 KM (HUMAN TARGET)
IP RATING:	MANUFACTURED TO IP68
DIMENSIONS:	196L X 75W X 94HMM
WEIGHT:	800 G (28.2 OZ) W/O BATTERIES



LW75

[THERMAL WEAPON SIGHT]

Remote Control, Lens Caps, Operator's Manual, Carry Pouch, Coupling Light Shroud and Cables for Video Output and External Power Supply.



The **Brolis LW75 is an Uncooled Thermal Clip-On Weapon Sight**. The LW75 can be used for both day and night applications, and is visible through dust, smoke, haze, and fog.

The LW75 is designed to interface with day scopes, but can be used as a portable reconnaissance system. This system has the ability to record videos with optional Digital Video Recorder with a video-out capability. The LW75 is easy to use, accepts standard AA batteries and is built of full metal aircraft grade aluminum and protected by a superior wear and corrosion resistant, chemically stable ceramic coating. The LW75 is available in five custom colors: Flat Dark Earth, OD Green, Cobalt, White and Graphite Black.



S100U

[SHORT WAVE INFRARED WEAPON SIGHT]

The **Brolis S100U** is rugged long range Short Wave Infrared (SWIR) weapon sight providing clear day/night imagery through various obscurants like dust, smoke, haze, fog and many others. The S100U incorporates in itself the latest InGaAs sensor and InP laser diode technology providing complete covertness to conventional night vision technology. While S100U is fully capable of passive night vision it also has integrated powerful laser illuminator with motorized beam divergence control for total darkness conditions or illumination through windows. The S100U is designed to interface with day scopes of 3x-12x optical zoom and is equipped with auto focus for easier control. Integrated micro SD card slot allows the operator to record and store data. The S100U withstands recoils up to .50 Cal, has full metal aircraft grade aluminum housing and is protected by superior wear and corrosion resistant, chemically stable ceramic coating. The S100U is available in five custom colors: Flat Dark Earth, OD Green, Cobalt, White and Graphite Black.

WARRANTY:	1 YEAR
SENSOR:	640X512 15 μ M INGAAS
SPECTRAL RANGE:	VIS-NIR-SWIR
FIELD OF VIEW:	5.5° (H) X 4.12° (V)
FOCAL LENGTH:	100MM
FOCUS:	AUTO FOCUS
RETICLE:	MIL DOT
DIGITAL ZOOM:	1X, 2X, 4X
BATTERY TYPE / LIFE:	8 CR123 BATTERIES / >7 HRS
MAGNIFICATION:	UNITY
DETECTION / RECOGNITION:	3.8 KM / 1.2 KM (HUMAN TARGET)
IP RATING:	MANUFACTURED TO IP68
WEIGHT/DIMENSIONS:	<2100 G/APPROX. 260 X 110 X 120MM

Remote Control, Lens Caps, Operator's Manual, Carry Pouch, Coupling Light Shroud and Cables for Video Output and External Power Supply.

INTEGRATED LASER ILLUMINATOR SPECIFICATIONS

WAVELENGTH:	1550 NM
OUTPUT POWER:	ADJUSTABLE UP TO 1.5 W
BEAM DIVERGENCE:	ADJUSTABLE 10-70 MRAD
WORKING DISTANCE:	UP TO 3 KM
LASER SAFETY CLASS:	CLASS 4





Schedule
Contract GS-07F-0022V

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