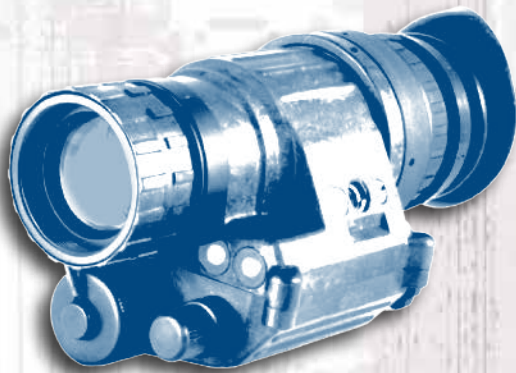
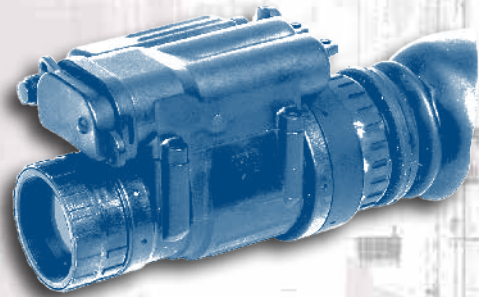


Night Vision • Day Optics • Thermal Systems • Weapon Sights • Rangefinders • Image Intensifiers • IR Illuminators

# ALPHA OPTICS



# Night Vision Monocular AC-PVS-14



Specifications	
Magnification	1x
Field of View	40°
Lens System	26 mm, F 1:1.2
Focus Range	25 cm to infinity
Diopter Adjustment	-6...+2
Waterproof	1m / 30 minutes
Image Intensifier Tube	Gen 2+ or Gen 3
Battery	AA or CR123
Battery Life	50+ hours
Dimensions	110 x 65 x 55 mm
Weight	330 g

The PVS-14 is a light weight, multi-purpose, night vision monocular with similar key features found in the PVS-7 single tube night vision goggles. The objective and eyepiece assemblies allow attachment of similar accessories, and the head/helmet mount adapter is exactly the same. A weapon mount adapter is also available for mounting the system on the M16/M4 Picatinny style rail. A long list of optional accessories makes the PVS-14 an extremely versatile system, configuration of which is limited only by the user's imagination. The U.S. Army has adopted the PVS-14 as its standard issue monocular. The unit is a self-contained system operating on one AA battery and features manual gain control to meet various brightness conditions. Automatic bright light protection circuit protects the device against accidental bright light exposure. A red low-battery indicator appears in the eyepiece when battery replacement is needed. The system also features a projected IR illuminator for short-range operation such as map reading and in the field medical assistance. The PVS-14 is compatible with a variety of Red Dot sights.

**Standard PVS-14 kit includes:** Soft carrying case, battery, battery adaptor, lens covers, sacrificial window, demist shield, neck cord, lens tissue.

**Optional accessories:** Magnifier lenses, head mounts, helmet mounts, quick release weapon mount, camera adaptor, hard waterproof case, OTIS lens swabs, lens cleaning kit, optics cleaning system.

# Night Vision Monocular AC - 1254 / 1354



Specifications	
Magnification	1x (3x, 5x, 8x optional)
Field of View	40°
Lens System	25 mm, F 1:1.2
Focus Range	25 cm to infinity
Diopter Adjustment	-6...+2
Detection Range	Up to 325 m
Waterproof	20 m / 1 hour
Image Intensifier Tube	Gen 2+ / Gen 3
Battery	AA or CR123A
Battery Life	60 hours
Dimensions	120 x 45 x 65 mm
Weight	340 g

The AC-1254/1354 is a multipurpose night vision monocular, which is available with a wide range of Generation 2+ or Generation 3 high performance image intensifier tubes. The monocular was developed to cover a variety of nighttime applications such as surveillance, defense, security, police work, or search & rescue. It can be used as a hand-held monocular, head- or helmet-mounted as a mono goggle, or converted into a long-range device using optional 3x or 5x lens. The built-in IR illuminator allows the user to read maps and operate in total darkness.

The AC-1254/1354 is equipped with automatic brightness control, "IR ON" and "Low Battery" indicators. A special protective system will shut off the device if the illumination level will surpass 100 lx for 10 seconds. With optional weapon mount adapters, it can be mounted onto a weapon for use in conjunction with day time sights or an infrared laser. The monocular is fully waterproof to a depth of 20 meters for a period of 1 hour.

**Standard accessories:** Soft carrying case, lens cup, eye cup, neck cord, battery adapter, battery

**Optional accessories:** Flip-up head-mount assembly, brow pads, helmet mounts, 3x lens, 5x lens, 8x lens, sacrificial window, demist shield, IR-450 illuminator, camera adaptor, weapon mount adaptors, dual bridge assembly, shoulder strap, hard shipping/storage case, life tracker system, bi-ocular eyepiece, lens cleaning kit

# Night Vision Monocular AC-Mini



Specifications	
Magnification	1x (3x, 5x optional)
Field of View	40°
Objective Lens	26 mm
Focus Range	25 cm to infinity
Diopter Adjustment	-6...+4
Water Immersion	20 m
Image Intensifier Tube	Gen 2+ / Gen 3
Battery	CR123A / AA
Battery Life	40 hours
Dimensions	107 x 50 x 64 mm
Weight	260 g

The Mini Monocular is an ultra compact multipurpose night vision monocular developed for a variety of ground-based nighttime applications. It accommodates a wide variety of Gen 2+ and 3 image intensifier tubes. The monocular can be used as a self-contained pocket scope or mounted onto a weapon for use in conjunction with an infrared laser aimer or a reflex sight. While using the monocular with head or helmet mount, the user retains greater situational awareness and peripheral vision of close-range objects as one eye always remains unaided and dark-adapted. The night vision aided eye can easily focus on identifying potential threats and targets farther ahead. The Mini monocular is camera or camcorder adaptable. The integrated near-IR illuminator enhances the ability of the user to read maps and operate in confined spaces.

**Standard accessories:** Batteries, neck cord, demist shield, sacrificial window, shoulder strap, lens tissue, soft case, weapon mount, head/helmet mount adaptor, head mount with browpads, battery adaptor.

**Optional accessories:** Helmet mount, magnetic compass, objective lenses, shuttered eyeguard, IR spot/flood, camera adaptor, bridge adaptor, hard waterproof case, OTIS lens swabs, lens cleaning kit, optics cleaning system.

# Night Vision Binoculars AC-2237/2337



Specifications	
Magnification	3x
Field of View	14°
Lens System	F1.5, 70 mm
Focus Range	5 m to infinity
Diopter Adjustment	-6...+5
Operational Temperature	-40 to +50 °C
Battery	CR123A
Battery Life	60 hours
Dimensions	212 x 150 x 75 mm
Weight	820 g

AC-2237/2337 binoculars from Alpha Optics feature a high quality intensifier tube, and a 3X magnification objective lens. This is a medium range NVD that is designed for hand-held use.

The device features two eyepieces that let the user comfortably look through the unit with both eyes in low/no-light conditions. The objective lens provides wider field of view than other units.

An integral IR illuminator can be activated to provide ample auxiliary illumination under no-light conditions. The internal electronic system features a fully automatic protection circuit that shuts the intensifier off immediately after it's exposed to a bright light source. Versions with 5X and 8X magnification are also available.

**Standard accessories:** Carrying case; cleaning cloth; battery; long range IR illuminator

**Optional accessories:** Hard carrying/storage case; OTIS lens swabs, lens cleaning kit, optics cleaning system

# Night Vision Goggles AC-PVS-7



Specifications	
Magnification	1x (3x, 4x, 5x optional)
Field of View	40°
Input Lens	27 mm, F/1.2
Focus Range	20 cm to infinity
Diopter Adjustment	-6...+2
Interpupillary Adjustment	55-71 mm
Eye Relief	15 mm
Image Intensifier Tube	Gen 2+ / Gen 3
Battery	Two AA
Battery Life	60 hours
Operating Temperature	-50 to +50 °C
Dimensions	152 x 76 x 152 mm
Weight	505 g

The PVS-7 is the standard issue goggle type supplied to the U.S. Military and its allies. Equipped with a factory-new, high-performance tube, the PVS-7 Battle-proven technology includes Automatic Brightness Control (ABC), which automatically adjusts the brightness of the image tube to achieve the highest quality image resolution under varying light conditions as well as a built-in infra-red illuminator which allows the user to operate under zero light conditions. Lightweight and versatile, the PVS-7 can be hand-held, head-mounted, and helmet-mounted. The PVS-7 is the most widely recognized and dependable U.S. Military night vision goggle system available. Standard accessories and System Data Sheet included.

**Standard accessories:** Lens tissue, soft case, lens cup, batteries, headmount assembly, demist shields, sacrificial window

**Optional accessories:** Helmet mount, 3x, 4x, 5x lens, IR spot/flood lens, compass, hard waterproof case, lens cleaning kit

# Night Vision Goggles AC - 3217 / 3317



Specifications	
Magnification	1x
Field of View	40°
Image Intensifier	Gen 2+ / Gen 3
Lens System	F 1.2, 24 mm
Focus Range	25 cm to infinity
Diopter Adjustment	-5...+5
Operational Temperature	-40 to +50 °C
Battery	AA or CR123
Battery Life	60 hours
Dimensions	150 x 100 x 70
Weight	450 g

AC-3217/3317 are night vision goggles designed and built to the highest quality standards. It is an excellent choice for law enforcement & defense professionals, but with commercial grade Gen 2+ image intensifier tubes it fits perfectly heavy commercial use. It is offered with a wide variety of IIT. Because goggles are based on a very simple design, it is reliable and easy to use. The AC-3217/3317 is a lightweight, compact, and comfortable to wear for a long period of time device. For long-range observation it can be equipped with an optional 3x, 5x, or 8x lens. The AC-3217/3317 goggles have a built in IR illuminator for total darkness use with an indicator "ON" light within the FOV and a flip-up headset.

**Standard accessories:** Soft carrying case, lens cup, headgear, battery, battery adaptor, tissue

**Optional accessories:** Helmet mounts, 5x lens, 8x lens, 3x lens, long range IR illuminator, hard waterproof carrying/storage case, lens cleaning kit

# Night Vision Weapon Sight Nemesis



Specifications	
Magnification	4x (6x)
Field of View	10°
Objective Lens System	108 mm, F 1:1.5
Range of Focus	25 m to infinity
Exit Pupil	10 mm
Battery Type	CR123
Battery Life	Up to 60 hours
Diopter Adjustment	-6...+2
Environmental Rating	Water resistant
Operational Temperature	-40 to +50 °C
Dimensions	305 x 102 x 71 mm
Weight	1.2 kg

The Nemesis is the perfect solution for situations where the hunter needs greater distance between themselves and their target. Featuring a high-quality image intensifier tube, easy to use internal windage and elevation adjustments, and simple push button controls, the Nemesis will allow you to see beyond the expected in nighttime conditions. The adjustable brightness illuminated reticle is unique; no other night vision rifle scope on the market has such well-defined (yet extremely thin) crosshairs that allow such precise shot placement, even on exceptionally small targets. The Nemesis is fitted with a Picatinny/Weaver mount that allows for highly accurate rail positioning, ensuring user comfort; three accessory mounting rails allow easy mounting of our included long-range IR illuminator and/or other compatible accessories. The Nemesis is water resistant, robust, lightweight, and engineered from aircraft aluminum.

**Features:** Bright source protection, Auto Bright Control, Illuminated center red cross reticle, Flip-up back-up iron sights, Mounts to standard weaver rails, Variable reticle brightness, Detachable long-range infrared illuminator, Limited two-year warranty

**Standard accessories:** Detachable long range IR illuminator; Lens tissue, Battery, Soft case

**Optional accessories:** Extended rail adaptor; Extra long range IR illuminator; Hard waterproof case, Lens cleaning kit



# Night Vision Clip-on Weapon Sight PS28



Specifications	
Magnification	1x
Field of View	13°
IIT Resolution	40-72 lp/mm
Lens System	68 mm, F 1:1.15
Exit Pupil	40 mm
Focus Range	10 m to infinity
Operational Temperature	-30...+60 °C
Battery	CR123
Battery Life	50 hours
Dimensions	185 x 85 x 83 mm
Weight	900 g

New Design and improved performance. The next generation of the popular PS22 night vision clip-on line. The new PS28 gives your daytime weapon sight Night Vision capability in a matter of seconds. The PS-28 mounts in front of a daytime weapon sight to enable nighttime operation. No shift of impact, no need to re-zero nor change of eye relief occurs. The PS28 uses the latest in image intensifier tube technology for outstanding resolution and performance.

**Standard accessories:** Quick release mount, Light suppressor, Remote control, Detachable long range IR illuminator, Hard waterproof case, Battery

**Optional accessories:** Weaver mount, Scope mounting systems, Boresight attachment mount, Long rail adaptor, Platform ring, Lens cleaning kit

# Digital Night Vision Monocular N-Vader



Specifications	
Magnification	1x (3x digital zoom)
Field of View	12°
Display Type	640 x 480 LCD
Detection Range	50 m
Battery life	3/12 hours
Battery	CR123
Dimensions	190 X 60 X 85 mm
Weight	275 g

Ideal for virtually any outdoor activity, this night vision device delivers high quality digital imaging at a considerable distance. Engineered with an ergonomic, easy-grip design, the unit can be easily hand held, decreasing the chances of being dropped. With both day and night capabilities, the N-Vader 1-3x Monocular is perfect for camping, hiking, bird watching, general observation or even home security. Equipped with a 1,000 mW IR illuminator and high resolution camera, the N-Vader 1-3x Monocular delivers a bright, clear image no matter how dark the conditions, while its durable, compact body makes for easy travel. Additionally, the adjustable gain control allows the user to change the brightness of the image. In day mode, the digital monocular maintains color fidelity, providing high quality color imaging. With a viewing distance of up to 50 meters and a 3x digital zoom, users get a wide-range magnification to hone in on the target. The user-friendly video output feature allows for the image to be viewed or recorded on a monitor, TV or DVR. Equipped with an automatic shut off feature, the unit turns off after a period of non-use, saving battery life.

**Features:** Compact, Lightweight, Rubber armour body

**Standard accessories:** Soft case, Lens tissue

# Image Intensifier Tubes



Image Intensifiers are the main part of the most commercially available night vision devices such as binoculars, monoculars, goggles and weapon sights. Image intensifiers also prove to be useful in industrial, scientific and military areas, anywhere light amplification is required. Image intensifiers come in different sizes and with glass or fiber optics input / output windows to cover UV, Visible and near IR spectral ranges.

Alpha Optics offers a variety of 18 mm and 25 mm image intensifiers from affordable low grade Gen 2+ tubes to top-of-the-line Gen 3 products.

Small size image intensifier tubes are available with S-25 multialkaline metal or GaAs photocathode, glass input window and direct or inverse image transfer. They have twisted or plane fiber optic or plane glass output windows, a microchannel plate, built-in high voltage power supply with overload protection circuit and automatic luminescence brightness adjustment. We offer several different formats, but the most popular are "Slim" and "Fat" ANVIS, as well as PVS-7 type. These tubes are compatible with PVS-5, 6, 7, 9, 14 type devices and many others.

25 mm Gen 2 image intensifier with S-25 photocathode is available with fiber optics input and output windows. It is a direct replacement for MX9644 and XX2052 tubes.

# Scout TS-Series Thermal Camera



Specifications	
Detector Type	VOx Microbolometer
F.P.A. Format	240 x 180 or 320 x 240
Field of View (H x W)	Up to 24° x 18°
Digital Zoom	2x (some versions)
Start-Up	<1.5 seconds
Fixed Use	Standard Tripod Mount
Refresh Rate	9 Hz
Battery Type	4 AA NiMH Batteries
Battery Life	5+ hours
Environmental Rating	IP-67 (submersible)
Operational Temperature	-20...+60 °C
Detection Range (human)	Up to 1.4 km
Weight	720 or 980 g
Dimensions	256/278 x 84 x 67 mm

FLIR's Scout handheld thermal imaging cameras give hikers, hunters, and outdoorsmen of all stripes the ability to see clearly in total darkness, providing a wealth of valuable information during any nighttime excursion. Scout, powered by the same advanced technology used by military and law enforcement, is the first personal thermal imaging camera affordable enough to give every outdoorsman the unsurpassed practical advantages of full-resolution thermal imaging night vision.

The Scout TS-Series includes six different versions to meet individual user requirements.

**Features:** Shuttered eyepiece, rugged, up to 2x digital zoom, polarity: White Hot, Black Hot and InstAlert, SD card slot, USB2 connection

**Standard accessories:** Neck lanyard, video cable. PRO versions – tactical bag, USB cable, SD card

**Optional accessories:** 2x optical extender

# Scout Bi-ocular Thermal Camera



Specifications	
Detector Type	VOx Microbolometer
F.P.A. Format	320 x 240 or 640 x 480
Field of View (H x W)	Up to 13° x 10°
Digital Zoom	2x or 4x
Start-Up	< 1.5 seconds
Waveband	7.5 - 13.5 $\mu\text{m}$
Refresh Rate	9 Hz
Battery Type	4 AA NiMH Batteries
Battery Life	4-6 hours
Environmental Rating	IP-67 (submersible)
Operational Temperature	-20...+60 °C
Detection Range (human)	Up to 2.45 km
Weight	1 kg
Dimensions	280 x 165 x 66 mm

With the same image clarity and detail that knocked your socks off in FLIR's Scout monocular cameras, FLIR's new Scout Bi-Ocular Series gives outdoor enthusiasts even more choices and control in their thermal viewing experience. Featuring a full coverage eyepiece, inter-ocular adjustment, ergonomic comfort, straightforward controls, interchangeable quick disconnect lenses, and the unrivaled performance that only FLIR's high resolution thermal cores can deliver, the Scout Bi-Ocular is a must have for any avid outdoor enthusiast.

Employing either a 320 x 240 or 640 x 480 FLIR thermal imaging core with advanced image-processing algorithms, the high performance Scout Bi-Ocular allows you to see more and see farther than any other night vision technology.

The Scout Bi-ocular Series includes six different versions to meet individual user requirements.

**Features:** Quick-disconnect modularity, extended range options, enhanced lens surfaces, faster power & battery swap, one touch recording

**Standard accessories:** Hot shoe charging & video output attachment, 4 rechargeable AA NiMH batteries, AC Power adapter/charger; car adapter/charger, neck lanyard, USB cable, video output cable, hard carrying case, product CD with ops manual, FLIR video player software and end user graphical user interface

**Optional accessories:** QD35, QD65 or QD100 Lens

# Thermal Goggles TG-7



Specifications	
Detector Type	ASi Microbolometer
F.P.A. Format	160x 120
Spectral Response	7-14 microns
Magnification	1.5x (3x with digital zoom)
Optics	25 mm 1.5 x f1.0
Diopter Adjustment	+2 to -6
Thermal Sensitivity	<50 mK
Refresh Rate	Up to 30 Hz
Battery Type	3 CR123 Batteries
Battery Life	4 hours
Eye Relief	17 mm
Detection Range (human)	475+ m
Weight	Up to 0.48 kg
Dimensions	150 x 150 x 100 mm

The TG-7 Goggle is a rugged, lightweight, and powerful InfraRed device that can be hand held or mounted on a headgear. By using the 2x internal digital zoom and adding an optional a-focal germanium optical magnification lens, the TG-7 provides up to 9x long-range thermal surveillance and acquisition.

The uncooled thermal detector and high resolution display provide crisp "white hot" or "black hot" images regardless of ambient conditions. While night vision technology relies on amplification of ambient light or assisting illumination, thermal devices are completely passive, sensing extremely minute temperature differences.

Image can be enhanced by adjusting the brightness and contrast of the display.

Designed for law enforcement, military and commercial use, the TG-7 is ideal for such functions as: reconnaissance and surveillance, perimeter control, search and rescue, vehicle identification, wildlife observation and geo-thermal events.

**Features:** "White Hot" or "Black Hot" Images, 640x480 OLED Display, Compatible w/ PVS-7 accessories, Integrated Video Output, Rugged & lightweight

**Standard accessories:** Soft case, Head Mount, Neck Lanyard, Lens Cleaning pad, Demist Shields, Shoulder Strap, Video Cable, External Power Cable, Batteries

**Optional accessories:** 3x afocal lens, Hard waterproof case, Lens cleaning kit

# Thermal Weapon Sights

## TWS-3075



Specifications	
F.P.A. Material	ASi, uncooled
Spectral Response	8 - 12 $\mu$ m
F.P.A. Format	384 x 288 or 640 x 480
Thermal Sensitivity	50 mK
Refresh Rate	Up to 60 Hz
Display Type	800 x 600 OLED
Zoom Control	2x - 4x
Lens	75 mm (25, 50, 100 mm optional)
Optical Magnification	3x
Diopter Adjustment	+2...-6
Power	2 x AA Batteries
Battery Life	Up to 8 hours
Weight	1.05 kg
Dimensions	240 x 90 x 90 mm

TWS-3075 Thermal Weapon Sight with 3x magnification provides the latest generation long range thermal imaging technology. The TWS-3075 uses thermal imaging so that it can be used day or night. Thermal imaging also allows the sight to see through dust, smoke, fog, haze, things that may normally obscure other night vision devices. Due to the use of thermal imaging, the TWS-3075 does not require low levels of light to operate, and it will not shut off like most night vision if hit directly by light. It distinguishes people and other objects from cluttered backgrounds and foliage, in either full daylight or the darkest night - even when there is absolutely no light. Its use cannot be detected as it emits no visible light or RF energy and operates without the use of illuminators or IR lights. The TWS-3075 is compact, lightweight design allows it to be used effectively as a weapon mounted sight or as a handheld imager. Power can be supplied by military or commercial batteries. The TWS-3075 is compatible with a broad range of weapons

**Features:** Uncooled FPA, shutterless & soundless, low power consumption, Black Hot/White Hot polarity, OLED manual brightness control, internal electronically adjustable reticle

# CTS-230 Thermal Clip-on Weapon Sight



Specifications	
F.P.A. Material	ASi, uncooled
Spectral Response	8 - 12 $\mu$ m
F.P.A. Format	384 x 288 or 640 x 480
Thermal Sensitivity	50 mK
Refresh Rate	Up to 60 Hz
Display Type	800 x 600 OLED
Zoom Control	2x - 4x
Optical magnification	2x
Diopter Adjustment	+2...-6
Power	2 x AA Batteries
Battery Life	Up to 8 hours
Weight	0.8 kg
Dimensions	210 x 90 x 65 mm
Weight	1.5 kg

The CTS-230 is a weapon-mounted thermal imaging device that was designed for use in conjunction with magnified optical and red dot sights for long range targeting identification in light rain, smoke, light snow, low light, and total darkness. Utilizing the quick detach weapon mount, the device could be easily attached to the standard M1913 Picatinny rail in front of the day sight. The ocular is equipped with a built in collimator which allows adjustments when zeroing together with the daytime weapon sight. The optimal performance could be achieved when used with 3X to 9X magnification day sights. The CTS-230 is equipped with an internal electronic adjustable reticle (8 selectable patterns).

In addition, an interchangeable eyepiece (optional) allows to use CTS-230 as a stand alone weapon sight.

**Features:** Shutterless; soundless; low power consumption; Black Hot/White Hot polarity; Hot Swappable batteries; manual/automatic sensitivity control; video out - ready for wireless transmission; hard carrying/storage case

**Optional accessories:** Head mounted display; eyepiece for standalone operations



# EOTech EXPS3 Holographic Weapon Sight



Specifications	
Magnification	1x
Eye Relief	Unlimited
Waterproof	Submersible - 10 m
Adjustment (per click)	0.5 MOA
Field of View (100 m)	30 m @ 10 cm eye relief
Battery Type	CR123
Battery Life	600 hours
Waterproof	20 m for 2 hours
Dimensions	91 x 61 x 71 mm
Weight	0.317 kg

L-3 EOTech develops and manufactures products that leverage its advanced electro-optics technologies. The advanced holographic weapon sight produced by L-3 EOTech has revolutionized electronic sighting technology and is being adopted rapidly by the elite units in the military and law enforcement agencies around the world as their preferred and standard close quarter battle (CQB) optic for small arms. When used in CQB, this revolutionary weapon optic delivers amazing speed and accuracy gains as well as uncompromising use of peripheral vision.

The HWS has been designed and tested to provide consistent, reliable performance, even in the most hostile operating environments. The HWS is waterproof (submersible), fog-proof, shock-proof, and withstands extreme temperature variations. The HWS meets military drop test requirements with no functional degradation to the weapon optic and holds zero to within 2 MOA! Every HWS is extensively tested in a punishing recoil simulator generating 1,600 G's of acceleration in less than 1.0 millisecond.

Offering true 2 eyes open shooting, transversely mounted lithium 123 battery, and 7 mm raised base offering iron sight access, the new Extreme-XPS (EXPS) features easy to adjust side buttons and a single, quick release throw lever for easy attachment and removal. The shortened base only requires at most 7 cm of rail space. Several reticle options are available for this model.

EOTech also offers more than 10 other models and 3x magnifiers to cover any possible applications and personal preferences.

**Optional accessories:** EOTech optic protector, various mounts, lens swabs and cleaning kit

# Holographic Hybrid Sight I



Specifications	
Magnification	1x-3x
Eye Relief	56 mm
Waterproof	Submersible - 10 m
Adjustment (per click)	0.5 MOA
Field of View	7.3°
Battery Type	CR123
Battery Life	600 hours
Dimensions	193 x 55 x 71 mm
Weight	0.616 kg

The Holographic Hybrid Sight I (HHS I) features an EXPS3-4 with a G33.STS magnifier. It has great utility for any shooter, whose target ranges vary from close to far. The HHS I provides a solution for engaging threats in close-quarter combat situations, then quickly transitions to a 600-meter targeting or surveillance situation. A quick switch-to-side (STS) mount offers simple, fast disengagement of the G33 magnifier.

The durable, night-vision-compatible system offers wide-field optical performance with superior light transmission for visibility in extreme low-light conditions.

**Optional accessories:** EOTech optic protector, various mounts, lens swabs and cleaning kit

# Laser Rangefinder Monocular



Specifications	
Magnification	7x
Objective Lens Diameter	25 mm
Field of View	8°
Laser Type	905 nm eye safe
Distance Accuracy	±1 m
Measuring Range	Up to 3,500 m
Distance Measuring Time	0.5 seconds
Battery Type	9V Lithium
Target Quality Indicator	Most of the models
Reticle Selection	Cross or Rectangular
Last 10 Readings Recall	All models
Low Battery Indicator	All models
Dimensions	127 x 125 x 60 mm
Weight	460 g

The Laser Rangefinder Monocular (LRM) is built for hunters and marksmen of uncompromising standards and backs up its bold statements with proven performance and the best components available today. LRM is outfitted with the latest technology, which provides accurate readings from the different objects. We offer a number of models with different range capabilities and features for practically unlimited variety of applications.

LRMs use an invisible, eye-safe Class 1 laser beam, which is "bounced" off distant objects at the press of a button. In the process, the rangefinder uses a high-speed digital clock to measure the time it took for the laser beam to reach the target and return, and then calculates the distance within plus-or-minus 1 meter. Because rangefinders bounce laser beams off targets in order to take measurements, their range is partially determined by the target's reflectivity. The entire process is so fast that less than a second elapses between the time you press the button and the time the exact range appears.

**Features:** Distance, elevation, azimuth and speed measurements, digital output, GPS compatibility, gating capability, computer output, water resistant, tripod socket

# Laser Rangefinder Binoculars



Specifications	
Magnification	7x
Objective Lens Diameter	40/50 mm
Field of View	5° - 7°
Interpupillary Distance	58-72 mm
Eye Relief	25 mm
Distance Accuracy	±1 m
Measuring Range	Up to 25,000 m
Battery Type	9V Lithium
Target Quality Indicator	All models
Reticle Selection	Cross or Rectangular
Last 10 Readings Recall	All models
Low Battery Indicator	All models
Dimensions	From 158 x 145 x 69 mm
Weight	From 970 g

The Laser Rangefinder Binoculars (LRB) melds top-of-the-line binocular optics with laser beam technique - providing users with an efficient and powerful field tool. Laser rangefinder binoculars equipped with an eye-safe laser. A single advanced unit combines features of two optical devices in one ergonomic rubberized body. Packaged in the size and weight of standard the LRB delivers enhanced resolution and contrast with boosted light transmission thanks to its fully multi-coated optics. The LRB displays the exact distance to the targets up to a distance of 25,000 meters while providing a sharp clear image at the push of a button and keeps last 10 measurements in memory; features target quality indicator and a variable reticle shape.

There are three advanced models available, LRB 3000 PRO, 4000 CI, and 6000 CI, based on LRB 7x40 and LRB 7x50 binocular systems, respectively. Systems incorporate all of the features required by today's military and law enforcement professionals including computer output, a compass, and inclinometer, as well as speed measurement. LRB 3000PRO is capable to measure azimuth with a built-in digital compass. LRB 4000CI (6000 CI) also features RS-232 interface, that enables immediate data acquisition by computers or various GPS receivers. Gating algorithm implemented in LRB 4000CI (6000 CI) dramatically improves reliability of measurement in unfavourable measurement conditions (rain, snow, bushes, wires, etc.). We also offer 4 long range models with capabilities up to 25 km.

**Features:** Distance, azimuth, elevation and speed measurements, digital output, GPS compatibility, gating capability, computer output, water resistant

# Elcan Specter TR 1-3-9 Optical Sight



Specifications	
Magnification	1x / 3x / 9x
Illumination	Source Battery LED
Field of View	16° / 4° / 2°
Entrance pupil	12 / 30 / 30 mm
Exit Pupil	11.7 / 10 / 3.33 mm
Eye Relief	78.6 / 70.4 / 74.1 mm
Adjustment Resolution	0.1 mil / click
Adjustment Range	120 minutes of angle
Optical Axis Height	39 mm
Dimensions	265 x 81 x 74 mm
Weight	0.85 kg

We are proud to introduce a first for the Shooting Sport and Professional - triple field of view weapon sight that continues on with ELCAN's tradition of leading optical performance and battle field ruggedness.

The SpecterTR is a 1/3/9x magnification weapon sight giving any shooter the appropriate level of magnification required for any scenario on an AR style platform. The unique three field-of-view design maximizes combat effectiveness by providing precision close quarter, mid-range, and long range engagement capability. The SpecterTR weapon sight's durability, versatility, and extra-long eye relief provides the user with an unmatched advantage on the battle field.

The 1x field-of-view provides a 16° viewing angle and an extremely fast, "both eyes open" target acquisition capability maximized by a red aiming dot and at least 70mm eye relief. The second field-of-view provides a 3x-magnified sight with a field-of-view of 6°, range compensating reticle, and precision mid-range marksmanship capability. In 9x, a crystal clear 2° viewing angle provides unmatched long-range target detection, identification, and engagement capability -all in a compact, lightweight 265 mm, 829 g (scope and mount) telescopic package.

**Optional accessories:** Anti-Reflection device, lens cleaning kit, hard waterproof case

# ELCAN SpecterDR Dual Role 1.5-6x Optical Sight



Specifications	
Magnification	1.5x / 6x
Illumination Source	Battery powered LED
Aiming Dot Diameter	6 MoA / 1.5 MoA
Field of View	16° / 4°
Exit Pupil	7 mm
Eye Relief	70 mm
Fixed Focus Range	20 m to infinity
Battery Type	DL 1/3N
Battery Life	3000 hours
Adjustment Resolution	0.5 minute of angle
Adjustment Range	120 minutes of angle
Waterproof	20 m for 2 hours
Dimensions	183 x 75 x 73 mm
Weight	0.705 kg

The ELCAN SpecterDR Dual Role Optical Sight is the second evolution in the family of dual role optical sights. Based upon the battle-proven SpecterDR 1-4x design, the SpecterDR 1.5-6x provides higher magnification to enable greater precision and longer engagement ranges, while at the same time providing exceptional field of view in CQB mode.

The SpecterDR 1.5-6x enjoys ELCAN's famous crystal-clear optics as well as a generous eye relief, making it the ideal instrument for designated marksman rifles and other long range applications. As with all SpecterDR sights, the magnification and field of view can be changed instantly with the throw of a lever. Depending upon the situation, the user may adjust the sight to illuminate the crosshair or just a brilliant red dot in the center. Because the reticles are etched in glass, they are plainly visible even in the case of loss of electrical power due to battery failure or EMP. There are two options for ballistic correction - 5.56 and 7.62 mm.

The Elcan Optical Sight product line also includes SpecterDR 1-4x, SpecterOS4x, SpecterOS 3.0, and SpecterM145 models.

**Optional accessories:** Anti-Reflection device, Bikini-style lens cover, MRD mount, auxiliary Picatinny rail mount, lens cleaning kit, hard waterproof case

# Omega Series Binoculars



Specifications	
Magnification	Up to 10x
Objective Lens Diameter	From 36 mm to 50 mm
Field of View	Up to 140 m @ 1000 m
Interpupillary Distance	52 - 76 mm
Diopter Adjustment	-5 to +7
Operating Temperature	-40...+55 °C
Focus Range	6 m to infinity
Exit Pupil Diameter	From 4.2 mm to 7.1 mm
Dimensions for 7x50	217 x 100 x 152 mm
Weight	From 0.5 kg to 1.38 kg

The Omega Series daytime binoculars are built from only the most exceptional quality glass to deliver a crisp and clear image. The glass features a special proprietary lens coating used in night vision technology to maximize light transmission for better performance in low light environments. The binoculars are built to withstand the harshest environmental conditions, including marine environments.

Each binocular is rubber armored, completely sealed against dust, sand, and water, and also filled with nitrogen to prevent fogging of internal lens surfaces. It also features individual diopter focus for clearer images, built-in range finder reticle and full rubber armoring for increased shock resistance. Binoculars meet standards and requirements of MIL-STD810.

All models come with rangefinding reticles in the field of view, but the 7x50C offers an illuminated compass.

**Features:** Waterproof, Nitrogen purged, range finding reticle, rubber armored body, tripod mountable, multicoated optics, meets MIL-STD810, 2 year warranty

**Standard accessories:** Soft carrying case, lens cups, tissue

**Optional accessories:** Hard waterproof carrying/storage case, OTIS lens swabs, lens cleaning kit, optics cleaning system



**1 Hunter Street East, Ground Floor  
Hamilton, Ontario, L8N 3W1, CANADA**

**Phone: +1-289-288-1049**

**mail@alphaopticsinc.com**

**www.alphaopticsinc.com**