



HIGH ADRENALINE EYE PROTECTION

2004

ESS
Eye Safety Systems, Inc.



ADVANCED MILITARY/TACTICAL EYEWEAR



ESS has revolutionized the way military personnel view eye protection. By focusing exclusively on eyewear, ESS has become known as **THE** expert in eye protection. Innovative ideas, patented designs, and unmatched production capacity position ESS as the premier manufacturer of eye protection systems. Through constant contact with soldiers, the ESS

development team designs products that meet the specific needs of those actually wearing them.

As the face of combat evolves, ESS looks to the future with an ongoing commitment to bring its customers the finest, most advanced eye protection available.

ESS products are made in the U.S.A.

AUTHORIZED FOR USE IN THE U.S. MILITARY

MODULAR TECHNOLOGY

ESS eyewear features ESS **Modular Technology™**, which allows quick interchange of all product components. In addition to rapid changing of lens colors, for example, this modularity offers long-term savings by allowing users to replace individual damaged parts without having to purchase entire new systems.

LENSES

Extra-thick polycarbonate lenses have **Clear Zone™** anti-scratch and anti-fog coatings, distortion-free optical clarity, and provide 100% UVA/UVB protection.

EXPANDED PERIPHERAL VISION

Advanced frame technology allows for increased peripheral vision, saving lives by expanding a soldier's field of view.

BALLISTIC IMPACT RESISTANCE

ESS lenses exceed standards of ANSI Z87.1 and the U.S. Military's .22 caliber ballistic impact requirement MIL-V-43511C. They can stop a shotgun blast from 35 feet.

VENT FILTRATION

Fully-filtered perimeter vents dramatically reduce fogging, keep airborne particles away from the eyes, and repel liquid splashes.

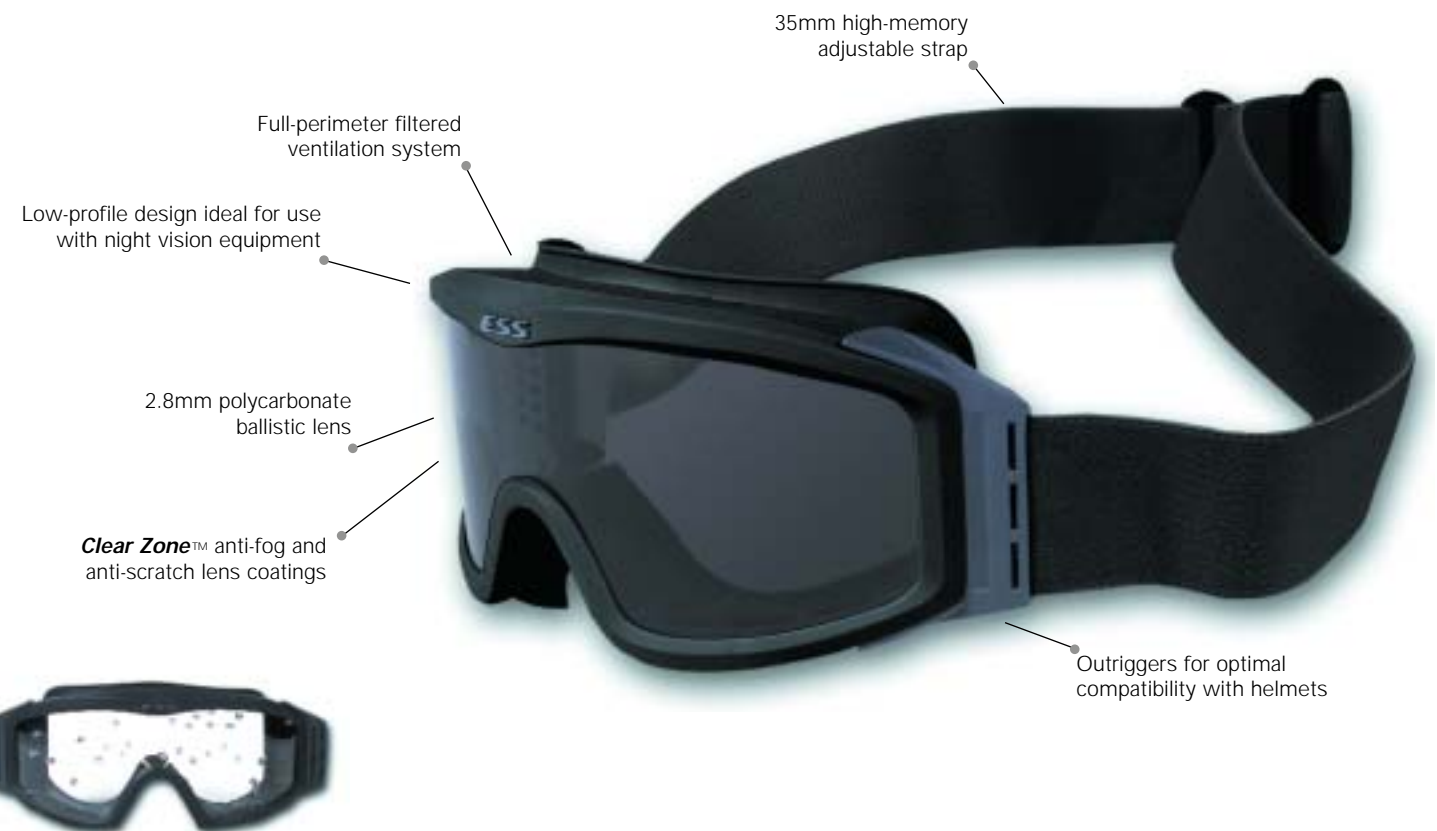
ESS LIMITED WARRANTY

ESS stands proudly behind its products. We warrant our products against defects in material and workmanship for one year from the date of purchase.



PROFILE NVG

ESS's flagship goggle—created with direction from elite U.S. Special Forces groups, the **Profile NVG™** is the only compact military/tactical goggle system with no compromises. It has all the advantages of a low-profile, night-vision-compatible frame, without sacrifices in dust filtration, field of view, impact protection, or anti-fog performance. Includes two ballistic lenses—Clear and Smoke Gray—and a durable storage pouch. Available with **Stealth Sleeve™**, Laser Lens, or prescription lens carrier. **Rx**



Shotgun Lens
ESS goggles come with our high-impact ballistic lenses which can stop a shotgun blast impact from 35 feet.

Patent Pending

National Stock Numbers (NSN)

Olive Drab <i>with Stealth Sleeve™</i>	4240 01-504-5706
Olive Drab	4240 01-509-2996
Desert Tan <i>with Stealth Sleeve™</i>	4240 01-504-5727
Desert Tan	4240 01-509-2993
Black <i>with Stealth Sleeve™</i>	4240 01-504-0049
Black	4240 01-504-6222



Desert Tan frame/Smoke Lens



Stealth Sleeve™



Laser Lens (optional)



Prescription Insert (optional)



Tear-Off Lens Covers (optional)



Olive Drab frame/Amber Lens (optional)

I am a deployed U.S. soldier with the 656 Trans Co. I was issued ESS goggles and I must say these goggles are far superior to previous models I have used in my military service. Thanks for making a great product!

— SSG, 544 MT BM not pictured



STRIKER SERIES

FLIGHT DECK
VEHICLE OPS
LAND OPS

Strike by land, air or sea. Featuring a roomier frame that fits over most eyeglasses, the versatile ESS *Striker*™ series comes in three models designed to meet the demanding needs of soldiers.

FLIGHT DECK

Designed specifically for all-day use with cranial-style helmets, the ESS *Flight Deck*™ is authorized for use in the U.S. Navy and is recommended for fleet-wide replacement of the Sun, Wind, & Dust goggle. Includes two ballistic lenses: Clear and Smoke Gray. Fits over most glasses and is available with a prescription lens carrier. **Rx**



ESS *Flight Deck*™ Goggle
The ONLY commercial goggle approved for use on U.S. Navy flight decks.

National Stock Number (NSN)

Gray	4210 01-492-5720
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VEHICLE OPS

The **Vehicle Ops™** goggle is designed for soldiers exposed to harsh environments while operating vehicles. The high-density, restricted-perimeter filtration is the ultimate barrier against airborne debris while traveling at high speeds. Includes two ballistic lenses: Clear and Smoke Gray. Fits over most glasses and is available with a prescription lens carrier. **Rx**



LAND OPS

The most universal goggle for all your eye protection needs, the **Land Ops™** is an improved goggle system for highly-active ground troops. For safety, performance, and comfort, the **Land Ops™** cannot be beat. Includes two ballistic lenses: Clear and Smoke Gray. Optional **Stealth Sleeve™**. Fits over most glasses and is available with a prescription lens carrier. **Rx**



National Stock Number (NSN)	
Olive Drab with Stealth Sleeve™	4240 01-504-0052
Olive Drab	4240 01-479-8657



ICE

The ESS *Interchangeable Component Eyeshield (ICE)*™ is a lightweight, frameless eye protection system that offers a unique combination of high-ballistic impact resistance, unrestricted field of view, and interchangeable lenses for effective eye protection in any light condition. Adjustable earbends allow for a comfortable, secure, anatomical fit. Telescoping temples offer bend-to-fit inner-wire ear tabs and a snap-on leash system. 100% UVA/UVB protection. Available with prescription lens carrier. **Rx**



Smoke Gray



Laser Protective Lens (LPL)



Rx Insert



The *ICE 2.4 Eyeshield*™ includes three 2.4mm high-impact ballistic lenses in Clear, Amber, and Smoke Gray, a snap-on leash, a NO FOG cloth, and a sleek carrying case.

Dear Sir,

I thought you might like to hear that your product saved my vision tonight. I was shooting a semi-automatic pistol at an indoor range while wearing a pair of ICE glasses when I experienced a case detonation. Smoke, blast forces, fragmentation...bummer! After cleaning the pistol and counting all my fingers, I used a cloth to remove what I thought were powder flakes from the lenses. I noticed that both lenses were scored by high speed primer and/or cartridge case. Scored but NOT penetrated (or even close may I add). Had I not been wearing my ICE glasses, I am convinced I'd be blind right now. So please accept my thanks for an excellent product. Best wishes,

— William Aprill not pictured
New Orleans, LA

TURBO CAM

The ultimate in anti-fog technology. Even in the most extreme conditions, the **Turbo CAM™** prevents lens fogging that impairs vision during high-intensity operations. The patented **Turbo CAM™** fan unit draws airflow in through the lower edge of the goggle frame and forces humid air out the top at 15,000 rpm.



Patented Turbo CAM™ Technology



The two-speed fan draws fresh air in through the bottom edge of the goggle frame and exhausts humid air out the top at fan speeds of up to 15,000 rpm. On LO, the fan can run continuously for up to 50 hours on two AAA batteries.



We have tested the Eye Safety Systems goggles and are particularly impressed with the ESS Turbo CAM. Its durability, reliability, function, and performance have proven to be a top choice for our trainees who work on S.W.A.T. teams. For those of us who must work in inclement weather—from humid, hot days and nights to frozen tundra in upstate NY winters—fogged eye systems are an intrinsic problem, one which you have answered. Form, function, and fit come together in your system and allow vision to be clearer and eyes to be protected.

—Ken Cooper not pictured
Director, Tactical Handgun Training of NY, Inc.

TACTICAL SERIES

THERMAL
SC THERMAL
TACTICAL XT



THERMAL

The new benchmark for tactical anti-fog performance. The ballistic dual thermal lens provides outstanding anti-fog protection. The 40mm strap has a rear buckle for quick release. Includes a protective pouch and Tear-Off lens covers.

SC THERMAL

Developed specifically for use with helmets, the *SC Thermal* features a slim 26mm strap and the patented *Speed Clip™* system for quick strap adjustment. Pull on the strap tabs for a firm, secure fit or rotate the *Speed Clips™* forward to loosen the strap tension. Velcro tab attachments firmly secure the goggle strap to the helmet. Includes a ballistic dual thermal lens to combat fogging, a protective pouch and Tear-Off lens covers.

TACTICAL XT

An economical high-performance goggle with all the core performance features of the tactical line, without the accessories. Includes a highly fog-resistant *Clear Zone™* ballistic single lens.



Speed Clip™ Strap System

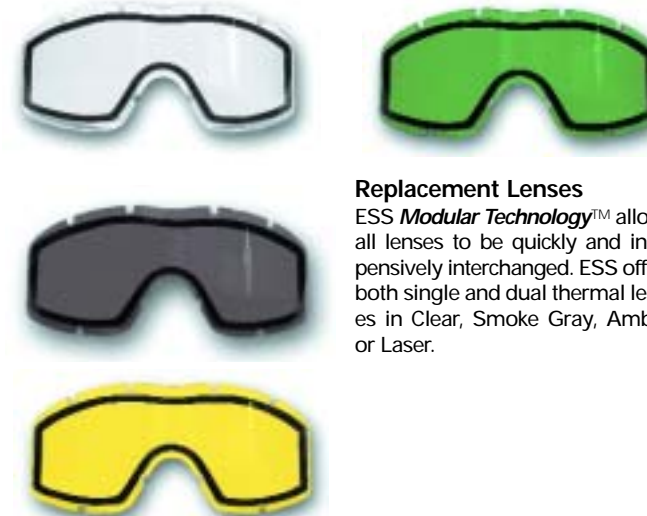
The *SC Thermal™* features the patented *Speed Clip™* strap adjustment system, for enhanced performance with helmets.

Pat. # 6,047,410

ACCESSORIES

ESS Modular Technology™

ESS eyewear features *ESS Modular Technology™*, which allows for quick interchange of all product components. In addition to rapid changing of lens colors, for example, this modularity offers long-term savings by allowing users to replace individual damaged parts without having to purchase entire new systems.



Replacement Lenses

ESS Modular Technology™ allows all lenses to be quickly and inexpensively interchanged. ESS offers both single and dual thermal lenses in Clear, Smoke Gray, Amber, or Laser.



ESS Stealth Sleeve™

Eliminates glint off the lens and keeps the goggle clean and scratch-free when not being worn.

Laser Lenses

As part of its quest to protect soldiers from the dangers of modern warfare, ESS utilizes the latest technology to provide Laser Protective Lenses (LPLs) for the most commonly used laser wavelengths: 694nm and 1064nm. Other wavelengths available.



Rx

Rx Carrier Lens Insert

For those with prescription eyewear, this is the solution. After the lenses have been corrected by an optometrist, the Rx Lens Carrier snaps into the *Profile NVG™*, and the *ICE™* nosepiece for a low-profile, lightweight prescription integration. Rx insert also available for *Striker™* Series.



Tear-Off Lens Covers

ESS Tear-Off Lens Covers are thin, optically-clear films that stack on the outside of the goggle lens. Tear-Offs can be quickly removed, one at a time, to instantly restore clear vision. While great in dirty and dusty environments, Tear-Offs also protect the goggle lens during normal use. Available for *Profile NVG™* and *Striker™* Series.



HIGH ADRENALINE SUNGLASSES

ESS understands that not all hazards exist on the battlefield, so we created sunglasses comfortable and cool enough for downtime, yet functional and rugged enough to protect against unexpected situations away from the front lines.

CDI™

Introducing **CDI™**—the soldier's sunglass. This lightweight, low-profile ballistic sunglass is the first of its class. ESS's **Lateral Exchange System™** allows our extra-thick, high-impact lenses to be easily exchanged for quick adaptation to your environment—from beach to battlefield, high noon to midnight. Black frame with Clear and Smoke Gray ballistic lenses included. Other lenses available. (See below.)

2.2mm polycarbonate ballistic lenses

Lenses provide 100% UVA/UVB protection

Extra-wide temples offer increased side coverage

Lateral Exchange System™ allows for rapid lens exchange

Laser Protective Lenses



Rose

Amber

Mirrored Silver



FLYBY™

The durable nylon frame of the ESS **Flyby™**, paired with 2.2mm polycarbonate ballistic lenses, offers broad coverage for comfort, safety, and style. Lenses provide 100% UVA/UVB protection. Midnight Blue or Black frame. Large fit.



RECON™

The **Recon's™** sleek frame design offers an excellent balance between coverage from flying projectiles, filtration of harmful UVA/UVB rays, and a smooth, sporty look. 2.2mm polycarbonate ballistic lenses. Translucent Silver or Black frame.



FUSION™

The polarized, metal-framed **Fusion™** is the ultimate in style to help you enjoy your time off the battlefield. ESS fused a lightweight aluminum alloy frame with polarized ballistic lenses to enhance comfort and reduce glare. 2.1mm polycarbonate lenses provide 100% UVA/UVB protection. Brushed Silver frame.

PROVEN PERFORMANCE

FEEDBACK FROM THE FRONT LINES



On 07 April 2003, 1430hrs vic. Baghdad (obj. MOE), my platoon, third platoon Aco 3-15, had been fighting as part of Task Force 3-15 IN on obj. MOE vic. Hwy 8. The fighting was very intense—for 18 hrs we had been in contact with the last stronghold of Saddam's zeros. After returning from a casualty evacuation mission along RPG alley, I reoccupied my original position on Hwy 8 overlooking the west bound lanes. Myself (the Platoon Sergeant) and my crew had just engaged and destroyed one of many RPG teams when our vehicle took a direct hit from an overlooked RPG team on our left flank, destroying our TOW missile launcher and my Bradley commander's hatch.

I was hit in my neck, left shoulder, and face with shrapnel, but thanks to my ESS goggles, my eyesight is still intact—no shrapnel penetrated my ESS goggle lenses at all. As you can see, these goggles still have the shrapnel in the lens. I fought through the shrapnel in the shoulder and neck and continued to bring fight to the enemy. I believe that if the shrapnel had hit my eyes, it would have taken me and my crew out of a serious and historic fight which resulted in the fall of the Saddam regime. Who knows, obj. MOE could have been the turning point of the war by giving the enemy a big boost in morale and making our fight that much harder.

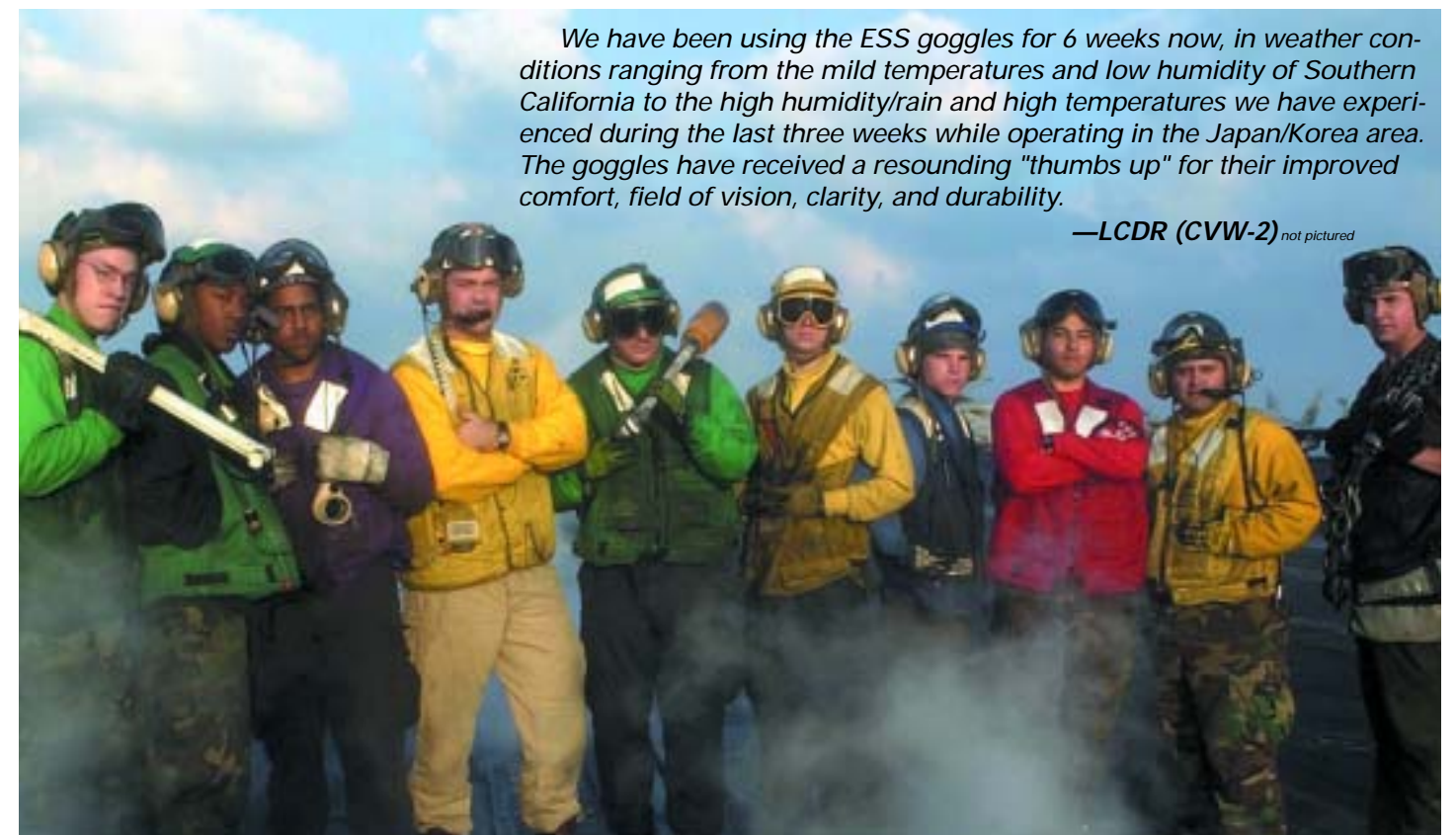
Thank you very much for your wonderful product. I'm a believer in your product, PROTECTING EYES ONE BATTLE AT A TIME.

—SFC Morales, Aco 3rd BN 15th IN



As you know, the Division got the Profile NVG Goggles. They have worked great! They work + Soldiers like them = They are worn! Appreciate it.

—LTC, 101st Airborne not pictured



We have been using the ESS goggles for 6 weeks now, in weather conditions ranging from the mild temperatures and low humidity of Southern California to the high humidity/rain and high temperatures we have experienced during the last three weeks while operating in the Japan/Korea area. The goggles have received a resounding "thumbs up" for their improved comfort, field of vision, clarity, and durability.

—LCDR (CVW-2) not pictured



On the cover:
Soldiers from the U.S. Military's Third Infantry Division charge towards Baghdad. In support of *Operation Enduring Freedom* and *Operation Iraqi Freedom*, ESS has supplied thousands of high performance goggles to U.S. and Allied forces.

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