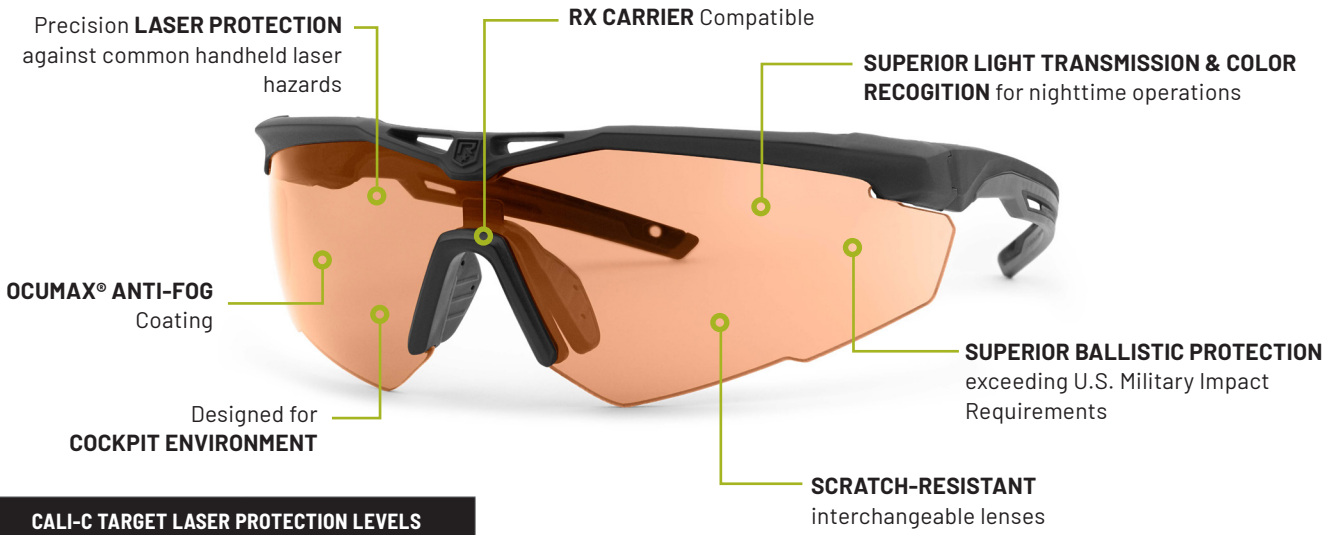
REVISION LAZRBLOC TECHNOLOGY

REVISION

STINGERHAWK® CALI-C AVIATION LASER PROTECTION

For Protection Against Common Handheld Laser Hazards While Performing in a Cockpit Environment.

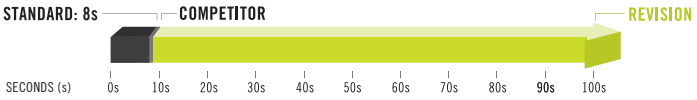
Developed with Air Force Research Laboratory, the CALI-C lens is designed to maximize protection and minimize the impact of laser strikes in the cockpit for aviators. Both rotary and fixed-wing aircraft have the benefit of altitude, which means a reduction in the rate of eye damage, but a heightened threat of distraction, disorientation, and flash blindness as laser light can fill a cockpit with bright light in an instant. The CALI-C formulation takes this into account by offering a wide band of protection without compromising light transmission – a critical point given most aviation laser incidents happen at night. The StingerHawk® CALI-C offers a single wrap-around lens for maximum coverage, ballistic protection and anti-fog performance for cockpits.



CALI-C TARGET LASER PROTECTION LEVELS		
PROTECTED LASERS WITH OPTIMIZED PROTECTION	Violet Green NIR	405nm OD 3.0 532nm OD 2.0 1064nm OD 1.0
VISIBLE LIGHT TRANSMISSION (VLT) PHOTOPIC/ SCOTOPIC	57% / 32%	

CHARACTERISTICS/COMPONENTS

PURPOSE	Developed with the Air Force Research Laboratory, CALI-C is a special formulation designed to offer laser eye protection without compromising on color recognition in a cockpit environment.
FRAME	Sizes: Regular & Large Correct size ensures fit, comfort and optical performance.
PRECISION LASER PROTECTION	The CALI-C lens protects against Violet, Green and Near Infrared (NIR) lasers – 405mm OD 3.0, 532nm OD 2.0, 1064nm OD 1.0
LIGHT TRANSMISSION & COLOR RECOGNITION	Formulated to enable visible light transmission and color recognition to maintain mission critical situational awareness, achieving 59% photopic and 32% scotopic light transmission
BALLISTIC PERFORMANCE	Meets or exceeds the following standards: • MIL-PRF-32432A • ANSI Z87.1-2015 clause 6 Impact-Rated Protector Requirements (Z87+) • EN 166 clause 7.3.4 Protection against high speed particles at extremes of temperature (FT)
LENSES	Lenses are made of indestructible, optical-grade polycarbonate and can be inter-changed quickly for different light conditions and environments – all providing 100% UV-A-B-C protection.

LENS COATINGS	• Revision's Ocumax® sets the benchmark for next generation anti-fog coatings.
	  • Maintains clarity in extreme conditions
	  • Lasts 10-20 times longer than competing anti-fog solutions
	  • Anti-Scratch coatings on the outside of the lens and anti-fog coatings on the inside
	ANTI-FOG TEST: EN166, Clause 7.3.2 – Eyewear must remain fog free for a minimum of 8 seconds at 50ºC
	ocumax®
	 
	
	EN 166: Revision's Ocumax coating drastically exceeds the 8-second industry standard for anti-fog protection (EN 166, Clause 7.3.2), remaining fog free for over 100 seconds when exposed to a constant heat of 50°C.

BASIC KIT

CALI-C STINGERHAWK® KIT	BASIC
STINGERHAWK FRAME	
BLACK	•
LENS	
CALI-C	•
ACCESSORIES	
PRESCRIPTION (Rx) CARRIER	OPTIONAL

FEATURES LEGEND

- Exceeds military ballistic impact requirements
- Exceeds ANSI Z87.1 ballistic impact and optical requirements
- Berry Compliant options available
- Prescription ready with optional Rx Carrier
- OcuMax® Anti-Fog Coating
- LazrBloc Lens Technology

revisionmilitary.com