



# SENTRY XP

## Mid Cut Helmet System



- Mid cut, lightweight, ballistic shell made of a hybrid composite of Carbon, Uni-directional Polyethylene and Woven Aramid.
- Provides equivalent head coverage in a mid cut design to US Army ACH helmet.
- Features an Ops-Core 3-Point Skeleton™ Shroud for universal capability with most NVG mounts, Accessory Rail Connectors (ARCs) with Hook Bungees, and external Velcro® loop.
- Scalable design allows for compatibility with Ops-Core visors, mandibles, handgun face shields, and ballistic appliques.
- Available with one suspension/retention option, 6-Piece EPP Padding and Worm-Dial Fit-Band with 4-Point Head-Loc Chinstrap.

## SPECIFICATIONS

**Performance Specification:** Ops-Core XP Helmet PS-1063 Specification  
Modified and Abbreviated US Army ACH Helmet CO/PD 05-04:2007 Specification

**Fragmentation Protection:** In accordance with PS-1063 and MIL-STD-662F

Projectile	Minimum V50 (ft/s)	Minimum V50 (m/s)
2 - Grain RCC	4,200	1,280
4 - Grain RCC	3,475	1,059
16 - Grain RCC	2,475	754
64 - Grain RCC	1,750	533
17 - Grain FSP	2,378	725

9mm Protection: In accordance with PS-1063, Resistance to Penetration (RTP) and Backface Defamation (BFD): 9mm FMJ at 1,400 ft/s (426 m/s) at 0° obliquity with BFD < 1.0 inch (25.4 mm) (Right, Left, Crown, Front and Back)

**Blunt Force Trauma Protection:** <150 G's at 10 ft/s per ACH CO/PD 05-04:2007

**Compression Testing:** Top-Bottom = .020" Max @ 400 lbs., Side-Side = .125" Max @ 300 lbs. per ACH CO/PD 05-04:2007

**Environmental Resistance:** Temperature -Storage and Operating at Ambient, Cold -60° F (-51° C), and Hot +160° F (71° C), Temperature Shock, Flame Resistance, Altitude, Vibration, Seawater, Field Agent Resistance, Weatherometer per ACH CO/PD 05-04:2007

**Shell Construction:** Two-Stage Non Slit

**Areal Density:** 1.60 lbs per ft<sup>2</sup> (78.12 g/dm<sup>2</sup>)

**Shell Thickness:** 0.290" (7.37mm)

**Shell Geometry (Curvature):** Proprietary Ops-Core Sentry Design

**Cut Style (Side Protection):** Mid Cut

**Available Colors:**



**Available Sizes:** Medium (M), Large (L), X-Large (XL), XX-Large (XXL)

## Contact Us

Ops-Core is committed to designing advanced performance capabilities for the elite warrior. For more information regarding the Ops-Core Sentry XP Mid Cut Helmet System, contact Ops-Core at 617.670.3547 or [sales@ops-core.com](mailto:sales@ops-core.com). The Sentry XP Mid Cut Helmet is controlled for export by the U.S. Export Administration Regulations (EAR) 15 CFR 730-774. The export of this helmet and related technical information requires prior authorization from the U.S. Government.

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## SENTRY XP

### SPECIFICATIONS (CONTINUED)

#### SHELL SIZING & COVERAGE

Available Sizes	Medium	Large	X-Large	XX-Large
<b>Head Size</b> (Circumference)	20 7/8 - 22 1/2 in (53-57 cm)	22 1/2 - 23 1/4 in (57-59 cm)	23 1/4 - 24 in (59-61 cm)	24 - 25 3/8 in (61-64.5 cm)
<b>Square Coverage</b>	171.74 in <sup>2</sup> (1108 cm <sup>2</sup> )	179.65 in <sup>2</sup> (1159 cm <sup>2</sup> )	191.12 in <sup>2</sup> (1233 cm <sup>2</sup> )	204.14 in <sup>2</sup> (1317 cm <sup>2</sup> )

#### SHELL WEIGHT

Available Sizes	Medium	Large	X-Large	XX-Large
<b>Sentry Shell Weight</b> (Shell with Paint & Edge Band)	1.92 lbs (869 g)	2.03 lbs (921 g)	2.11 lbs (958 g)	2.28 lbs (1034 g)

#### SYSTEM WEIGHT

	Suspension/Retention Option	Large
<b>Sentry Helmet System Weight</b> (Sentry Shell with Suspension/ Retention Options)	EPP Pads w/ Worm-Dial Fitband	2.83 lbs (1284 g)

Note: All measurements are +/- 3% tolerance

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