



# ARMORSOURCE

## MISSION CRITICAL BALLISTIC SOLUTIONS



**MODEL:**

# AIRE II

**DESC:**

**U.S. ARMY NEXT GENERATION  
ADVANCED COMBAT HELMET.  
THE LIGHTEST IN THE FIELD.**

Proudly introducing the next generation of ballistic head protection. The ArmorSource Aire II Helmet solution is the lightest version of the U.S. Army Advanced Combat Helmet (ACH / LWACH) on the market. Designed to minimize weight burden, the Aire II has effectively reduced the weight of the traditional ACH helmet by more than 30% and that of LW-ACH helmets by more than 15%. All while exceeding the ballistic protection of the Lightweight ACH category as a whole, thanks to our proprietary materials and superior development capabilities.

## FEATURES

**PROVIDES EXTREMELY HIGH BALLISTIC PROTECTION** against a wide spectrum of small fragments as well as handgun projectiles

**EXTREMELY COMFORTABLE** due to its light weight and flexible pad system

Utilizes **INDUSTRY LEADING BALLISTIC TECHNOLOGY**

**UTILIZES THE ACH/MICH SHAPE** used and accepted by the United States and other military organizations worldwide

Available in **BOLTED AND BOLTLESS** Versions

**COMPATIBLE WITH ALL ACH** accessories and Devices

Proudly **MADE IN THE USA**

## SYSTEM SNAPSHOT

### SHAPE/DESIGN

U.S. Army ACH Geometry

### SHELL CONSTRUCTION

Proprietary blend of Polyethylene and Composite Materials

### BALLISTIC PROTECTION

AR/PD 14-01; NIJ level IIIA

### FRAGMENTS PROTECTION

In accordance with AR/PD 14-01; 17 grain V50 > 2400 f/s (732 m/s)

### 9MM BFD/TRAUMA

9-mm RTP/BFD < 1" average

### ENVIRONMENTAL / MECHANICAL PROTECTION / DESIGN

U.S. Army AR/PD 14-01

### CERTIFICATION

From an NIJ certified laboratory

### AVAILABLE HEAD SIZES

X-Small / Small / Medium / Large / X-Large / XX-Large

### AVAILABLE SHELL SIZES

Small / Medium / Large / X-Large

### EXTREME TESTING CONDITIONS

Performs under temperature between 160 °F (71°C) and -60°F (-51°C); Performs after 3 hours sea water immersion

### CONFIGURATION

100% Boltless (Durability Verified)

### USE

Special Units; Military Troops



## AVAILABLE COLORS



FOLIAGE GREEN



OLIVE GREEN



SNIPER BLACK



DESERT TAN



COYOTE BROWN

## SHELL INFO

### SHELL THICKNESS

0.3" (±0.1") / 8 mm (±2.5mm)

### FINISHED SHELL NOMINAL WEIGHT\*

Medium 1.8 lbs. / 0.84 Kg; Large 2.0 lbs. / 0.9 Kg; X-Large 2.1 lbs. / 0.95 Kg

### NOMINAL SURFACE AREA\*

Med - 161 in<sup>2</sup> (1,037 cm<sup>2</sup>); Large - 168 in<sup>2</sup> (1,081 cm<sup>2</sup>); XL - 187 in<sup>2</sup> (1,208 cm<sup>2</sup>)

### NOMINAL AREAL DENSITY

7.2 kg/sqm

## AVAILABLE CUTS



HIGH-CUT



MID-CUT



REGULAR-CUT

## SYSTEM INFO

### FINISHED HELMET NOMINAL WEIGHT \*\*

Medium 2.2 lbs. / 1.02 Kg; Large; 2.4 lbs. / 1.08 Kg; X-Large 2.5 lbs. / 1.13 Kg

### FULLY LOADED HIGH-CUT NOMINAL WEIGHT \*\*\*

Medium 2.4 lbs. / 1.11 Kg; Large 2.6 lbs. / 1.17 Kg; X-Large 2.7 lbs. / 1.21 Kg

\* Regular-cut shell \*\* A Regular-cut helmet installed with retention and suspension systems  
\*\*\* Special Command configuration: the complete kit, with ASR side-rails, NVG Shroud and Operational Loop System



HIGH-CUT W/  
AIRELOCK  
SYSTEM



MID-CUT W/  
AIRELINK PLUS &  
AIRESUPPORT  
PRIME



REGULAR-CUT W/  
AIRELINK PLUS  
& AIRESUPPORT  
PRIME



REGULAR-CUT  
W/ AIRELINK &  
AIRESUPPORT

## SYSTEM CAPABILITIES CHECKLIST

BALLISTIC PERFORMANCE*		ENVIRONMENTAL PERFORMANCE*		COMPATIBILITY AND ADD-ONS*	
U.S. ARMY ACH GEN II SPECS	✓	U.S. ARMY ACH SPECS	✓	UNIVERSAL SIDE-RAILS	✓
NIJ LEVEL IIIA	✓	BLUNT IMPACT	✓	NVG MOUNT	✓
FRAGMENTATION PROTECTION	✓	COMPRESSION RESISTANCE	✓	OPERATIONAL LOOP SYSTEM	✓
BFD / TRAUMA	✓	ACCELERATED AGING	✓	COUNTERWEIGHT	✓
EXTENDED 17 GRAIN VELOCITY	✓	FLAMMABILITY	✓	CAMOUFLAGE COVER	✓
		ADVANCED BOLTLESS ADHESIVE SYSTEM	✓		
		IMPACT RESISTANCE	✓		

\* In accordance with ArmorSource technical specifications and applicable standards

## AVAILABLE RETENTION SYSTEMS



### AIRELINK

**STANDARD RETENTION SYSTEM**  
BLACK, FOLIAGE GREEN, TAN, OLIVE GREEN,  
COYOTE BROWN



### AIRELINK PLUS

**DIAL RETENTION SYSTEM**  
BLACK, FOLIAGE GREEN, TAN, OLIVE GREEN,  
COYOTE BROWN

## AVAILABLE SUSPENSION SYSTEMS



### AIRESUPPORT

**STANDARD SUSPENSION SYSTEM**  
BLACK, GREEN



### AIRESUPPORT PRIME

**ADVANCED SUSPENSION SYSTEM**  
BLACK, GREEN

## AVAILABLE ACCESSORIES

**LIGHTEST UNIVERSAL RAILS  
ON THE MARKET**



### AIRERAIL

BLACK / OLIVE / FOLIAGE  
TAN / COYOTE

**LIGHTEST NVG SHROUD  
ON THE MARKET**



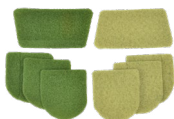
### AIRESUPPORT

BLACK / GREEN  
FOLIAGE / TAN



### HELMET COVER

BLACK / OLIVE / FOLIAGE / TAN /  
COYOTE / + Other Upon Request



### OPERATIONAL LOOP SYSTEM

BLACK / OLIVE / FOLIAGE  
TAN / COYOTE

**ALL NEW TEXTILE AND  
LEAD-FREE DESIGN**



### COUNTERWEIGHT

BLACK / GREEN / TAN



### CARRYING BAG

TAN / COYOTE

## AIRELOCK SYSTEM



## FEATURES

MEETS ALL APPLICABLE MILITARY STANDARDS

PERSONALIZED FIT AND COMFORT TECHNOLOGY

ALLOWS AIR MOVEMENT

COVERS 99.9% OF ALL HEAD TYPES

COMES WITH 3D ADJUSTMENT CAPABILITIES

ADVANCED DIAL SYSTEM

COMES WITH A PREMIUM CHINSTRAP



# PROVEN TO PROTECT

REGISTERED ISO 9001:2015