ASTRA NIGHT VISION

SHOT SHOW 2027 | NEW PRODUCT CENTER

PANORAMIC DIGITAL NIGHT VISION

ASTRA-P18

SEE MORE OF THE NIGHT.

A four-sensor panoramic goggle engineered for wide-area situational awareness, ultra-low latency, high sensitivity and clarity.



120° ULTRA-WIDE
PANORAMIC FIELD OF VIEW

4× 1-INCH	120Hz	0.00005 lx	22+ HRS
CMOS SENSORS	FRAME RATE	MIN. ILLUMINATION	RUNTIME

PANORAMIC AWARENESS. DIGITAL PRECISION.

The ASTRA-P18 combines four 1-inch CMOS sensors with a 120° horizontal field of view, giving professionals a broader picture of the environment while maintaining high-speed, low-light imaging.

KEY FEATURES

- **120° panoramic FOV**
  Wide horizontal coverage for enhanced peripheral awareness.
- **120Hz FPS**
  Smooth, responsive motion for dynamic nighttime environments.
- **Ultra-low-light sensitivity**
  Minimum illumination of 0.00005 lx with no IR compensation required.
- **Field-ready construction**
  IP67 protection with magnesium-aluminum alloy, aluminum alloy and composite resin.
- **Helmet integration**
  Standard Wilcox interface for helmet-mounted operation.
- **Extended runtime**
  More than 22 hours using the included four-cell 18650 battery.

CORE SPECIFICATIONS

IMAGE SENSORS	**4× 1-inch CMOS**
IMAGE / OLED	**800 × 600**
SPECTRAL RESPONSE	**400-1100 nm**
PIXEL SIZE	**18 µm**
FIELD OF VIEW	**120° horizontal**
MAGNIFICATION	**1×**
OBJECTIVE	**19.8 mm / F1.2**
BOOT TIME	**< 4 s**
GOGGLE WEIGHT	**< 640 g**
DIMENSIONS	**219 × 105 × 89 mm**
WATERPROOF	**IP67 / submersible 3 ft**
WARRANTY	**3 years**

SHOT SHOW 2027 | NEW PRODUCT CENTER

MEET THE ASTRA-P18

Jan 19-22, 2027 • The Venetian Expo - Level 1 • Las Vegas

Applications: Tactical operations • Law enforcement • Security • Search & rescue • Outdoor night operations

MSRP $7,599

Includes 3-year manufacturer warranty

shop.astranv.com/products/astra-p18

Specifications subject to change. Visit astranv.com for current product information.