

# NIGHTWARDEN<sup>®</sup> TUAS



Textron Systems' NIGHTWARDEN<sup>®</sup> Tactical Unmanned Aircraft System (UAS) is the newest and most capable platform in a long line of the world's premier Group 3 UAS assets. NIGHTWARDEN TUAS builds upon its Shadow<sup>®</sup> roots, leveraging the more than one million flight hours of combat/combat support experience, while bringing greater range, endurance, payload flexibility and combat lethality to its customers. NIGHTWARDEN is prepared to accept its role as the world leader in tactical UAS, but simultaneously brings cost effective Medium Altitude Long Endurance (MALE) characteristics and capabilities that would normally be seen in larger UAS Systems.

[TextronSystems.com](http://TextronSystems.com)



**TEXTRON** Systems

► PUSHING PAST POSSIBLE

# STRATEGIC CAPABILITY WITHIN A TACTICAL SYSTEM

## SPECIFICATIONS



**RANGE (DATALINK DEPENDENT)**  
Datalink - up to 75 mi (125 km) SATCOM  
extended range - 620+ mi (1000+ km)



**LENGTH**  
12.8 ft (3.9 m)



**MAX GROSS WEIGHT**  
750 lbs (340 kg)



**SPEED**  
Max- 85 knots  
Cruise- 60-72 knots



**ALTITUDE**  
Surface to 18,000 ft  
(0 - 5,500 m)



**WINGSPAN**  
22.8 ft (7 m)

## DUAL-INTERNAL PAYLOADS



State of the art Electro-Optical/Infra-Red (EO/IR) with laser designation capability



3000 Cubic Inches internal capacity after installation of primary EO/IR ball and SATCOM terminal for additional customer payloads



Wing Mounts for optional customer-specified payloads (Synthetic-Aperture Radar, Weapons and other special-purpose equipment)

## OPTIONAL SATCOM CAPABILITY



Persistent operations capability for a variety of mission requirements



High-bandwidth satellite (SATCOM) equipment for beyond-line-of-sight operations



Demonstrated at Yuma Proving Ground, Arizona with control from our Hunt Valley, Maryland headquarters

## FEATURES & BENEFITS

- > Automated takeoff system (non-GPS-based) and automated takeoff and landing system (GPS-based) to reduce human error
- > Higher reliability propulsion system with lower maintenance
- > GPS-based automatic rolling takeoff and remote taxi with brakes
- > Continuity with established training, support and sustainment
- > Up to 1,500 watts available for payload power
- > Minimal transport footprint (1x C-130 transport)
- > Significantly reduced acoustic signature
- > Demonstrated precision strike capability



The SATCOM configuration enables persistent beyond-line-of-site operations in excess of 1,000 km.



The NIGHTWARDEN aircraft has 130lbs+ payload capacity.



Textron Systems' ground control stations provide interoperable command and control.