THE NASC **NTIGERSHARKXP**





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RUGGED - VERSATILE - ADAPTABLE

With a pedigree that includes over 100,000 flight hours in the most hostile theaters of conflict in modern warfare, the NASC TigerShark-XP[™] is a proven aerial platform that has performed without fail through thousands of sorties. Its rugged design and low cost make it ideal for a range of applications from professional UAV flight training to complex payload integration and deployment for both operational uses as well as research and development. Proudly made in America, the TigerShark-XP is a UAV solution with performance that rivals or exceeds larger and far costlier unmanned aircraft systems.



VERSATILITY

A medium-altitude, long-endurance UAV system, the TigerShark-XP is a true workhorse offering extreme versatility in mission configuration. Engineered for application adaptability, our experienced technicians can rapidly reconfigure the TigerShark-XP to meet any customer's individual requirements. Its accommodating open architecture allows for unlimited design customization for both a variety of payloads and capabilities. Though more compact than other airframes in the same class, the TigerShark-XP has the ability to carry and deploy more and larger payloads than similar UAV systems. NASC can cost effectively deliver a customized aircraft by leveraging our extensive R&D capability and production expertise.



SPECIFICATIONS

APPLICATIONS AND PAYLOAD CAPABILITIES

As UAV technology evolves, the list of suitable applications grows. The TigerShark-XP™ has benefitted from many years of successful deployments. In that time, this versatile and multi-mission capable UAV has been tasked with a wide variety of both military and commercial missions proving its unmatched adaptability.

The versatile TigerShark-XP was not designed around a specific payload. It incorporates a "Payload Plug and Play" system that minimizes cost and allows for the seamless integration of new and different payloads into the XP platform. A forward-thinking airframe design enables the TigerShark-XP to carry and employ multiple payloads simultaneously for an unmatched level of operational flexibility. The TigerShark-XP is configurable for an unlimited variety of payloads.



TigerShark-XP applications and payloads include, but are not limited to, the following:

Aerial Surveillance/Surveying with Turret-based Digital EO/IR (Thermal Camera) and Hyperspectral Imagers

- Disaster Response & Damage Assessment
- Law Enforcement/First Response
- Search and Rescue
- Fire Mapping
- Large Area Agriculture & Livestock Monitoring
- Natural Resource Management
- Utility Line Security and Monitoring
- Wildlife Conservation
- Emergency Delivery



Payload/Sensor Research & Development

- Turret Systems
- EO/IR Camera Sensors
- Synthetic Aperture Radar Systems (SAR)
- Microwave Imaging Systems



Communication and Communication Relay Platforms

- High Data Rate Software Defined Microwave Radio Systems
- Microwave Power Repeater Systems
- Antenna Arrays
- COMINT/SIGINT Systems



Laser Scanning Systems

- Geological & Terrain Mapping
- Oil, Gas and Mineral Exploration
- Utility Line Security and Monitoring



LIDAR Chemical Detection and Atmospheric Probing

- Environmental/Pollution Monitoring
- Meteorological Research
- Climate Research

Aerial Spraying

DESIGN HISTORY

The NASC TigerShark-XP™ is a variant of the US Navy RQ-23A TigerShark Remotely Piloted Aircraft. The RQ-23A has performed over 100,000 hours of highly successful Intelligence, Surveillance and Reconnaissance missions in numerous theaters of operation. The TigerShark-XP design has the reliability and operational performance of the RQ-23A with the addition of new technologies including SATCOM and WAMI imaging to appeal to a broader domestic and global customer base.

NASC constantly integrates new technology into the TigerShark-XP design and provides various options including autonomous waypoint navigation, UHF command and control link for autonomous and manual flight, and VHF radio communication relay for operations in the national airspace. TigerShark-XP is built under the rigorous AS9100D Quality Control Program Standard resulting in the highest possible level of availability and reliability.

OPERATIONAL COMMAND

The TigerShark-XP UAV is available with the NASC Mobile Operations Center (MOC). The MOC contains the Ground Control System, a complete maintenance workshop, and storage/transport for the aircraft. The TigerShark-XP can be set up on site with all supporting ground equipment by a four-person team in three hours and disassembled and off site within three hours. NASC can provide turnkey aircraft complete with flight crew training or NASC operation of customer-owned assets, or combination of both.

NASC offers a wide variety of training programs. These include, but are not limited to, air vehicle pilot, mission commander, technician, instructor, and refresher training. Our highly experienced flight teams have over 18,000 hours of combined unmanned aircraft flight time.

Available for purchase or lease,
the NASC TigerShark-XP" is the proven
solution when you require
a truly rugged, medium-altitude,
long-endurance UAV.

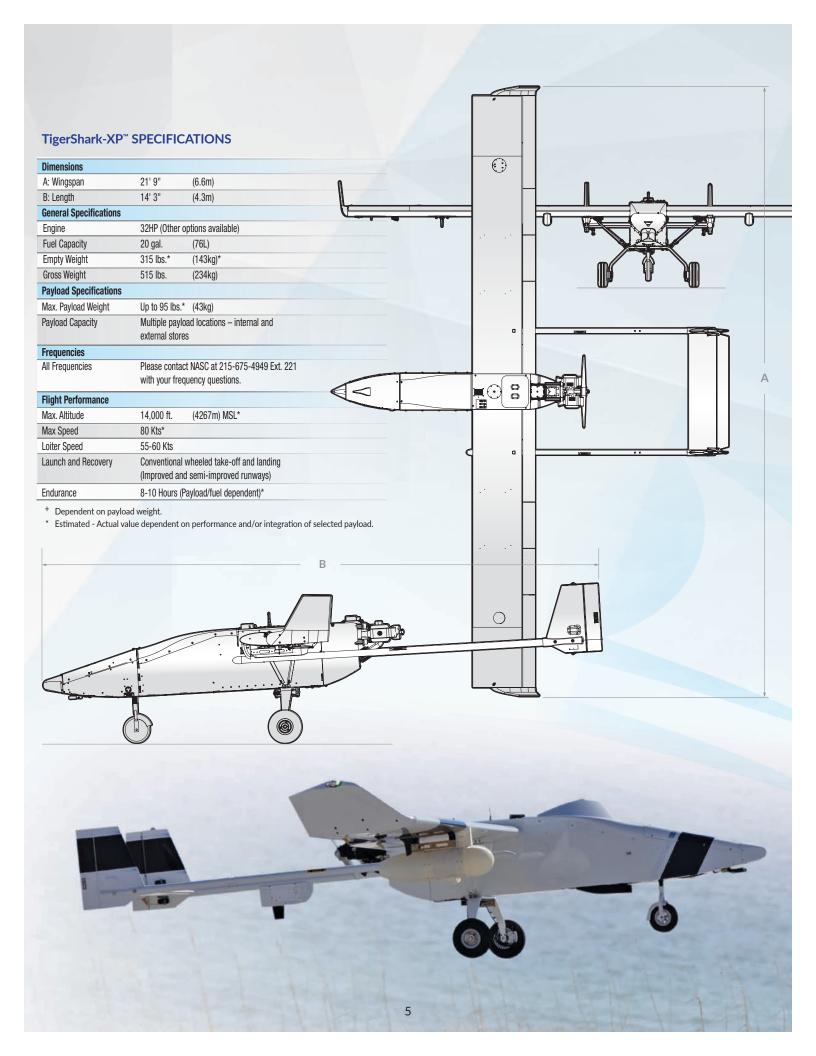












NASC Headquarters

65 West Street Road, Bldg. C Warminster, PA 18974 Phone: (215) 675-4949 Fax: (215) 672-0597

NASC Information Technology Center

607 Louis Dr., Ste. E Warminster, PA 18974 Phone: (610) 447-5700

NASC Advanced Acoustics Sector

607 Louis Dr., Ste. G Warminster, PA 18974 Phone: (215) 441-0449 Fax: (215) 441-0366

NASC Metcalf Engineering Facility

60 Steamwhistle Dr. Ivyland, PA 18974 Phone: (215) 355-5124 Fax: (215) 355-5428

NASC Aerospace Manufacturing

1778 Frankstown Rd. Johnstown, PA 15902 Phone: (814) 535-5035 Fax: (814) 535-5087

NASC PAX River Naval Support Center

48015-4 Pine Hill Run Rd., Ste. 100 Lexington Park, MD 20653 Phone: (301) 863-7980 Fax: (301) 866-0673

NASC UAS Flight Test Facility

Griffiss International Airport 625 Bomber Drive Rome, NY 13441 Phone: (315) 533-4421

NASC Admin. Support

14051 Westgate Ct., Ste. A Crane, IN 47522 Phone: (812) 863-7070 Fax: (812) 863-7076

NASC Flight Simulation

7254 Golden Wings Rd., Bldg. 2, Unit #1 Jacksonville, FL 32244 Phone: (904) 423-0927 Fax: (904) 423-0929

NASC Combat Systems

Geronimo Rd., Pershing Hall, Bldg. 59 & 60 Fort Sill, OK 73503 Phone: (580) 442-3054

NASC UAS Flight Facility

11710 S. Fortuna Road, Ste. C Yuma, AZ 85367 (POC: Chris Patton) 215-675-4900

THE NASC STORY

Since 1977, NASC has provided innovative solutions to the Department of Defense, federal research institutions, and the commercial sector. Our specialized products, support, and services are currently being used in multiple operational theaters around the world. NASC is proud to have delivered an extremely high level of quality and reliability to the Unmanned Aircraft Systems industry since the year 2000. NASC offers UAS development, manufacturing, flight services, flight training, support, service, and maintenance. In addition to advanced product development capabilities, our hard-won expertise allows an unmatched level of in-the-field operational support by NASC operators and NASC trained customer crews. Other NASC areas of expertise include ground control stations, advanced acoustics, persistent surveillance systems, air vehicle technology, fires training and doctrine, testing and evaluation, and information technology services.

NASC IS PROUD TO HAVE SERVED THE FOLLOWING CUSTOMERS

- Naval Air Warfare Center Aircraft and Weapons Divisions
- Naval Air Systems Command
- Space and Naval Warfare Systems Command
- U.S. Naval Research Laboratory
- Office of Naval Research
- Sandia National Laboratories
- Federally Funded Research and Development Centers

- Air Force Research Laboratory
- Georgia Tech Research Institute
- Mississippi State University
- University of Maryland
- Department of Homeland Security
- U.S. Air Force
- Department of the Army
- U.S. Marine Corps
- NASA

For detailed information on the TigerShark-XP[™], please contact NASC Business Development via email at Busdev@nasc.com or by phone at 215 675 4949 ext. 221.



"Quality – Responsiveness – Integrity"
www.nasc.com

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NASC ICN: TSXP-BROLS-0320