Shpak

RSI Europe
MILITARY IOT

FPV DRONE SYSTEM

with essential capabilities for enhanced jamming resistance

The Shpak FPV drone system is engineered for armed forces to execute precision strikes on enemy targets from remote distances. It can deploy various explosive munitions, combining the pinpoint accuracy of anti-tank guided missiles (ATGMs) with the extended range of indirect fire systems like artillery. With its advanced frequency-hopping technology, Shpak delivers enhanced resilience against electronic warfare, ensuring reliable performance in contested environments. This system is designed to enhance operational versatility, precision and survivability in modern military operations.

The Shpak System is a comprehensive solution engineered for continuous use in combat environments and tactical scenarios. It has NATO Stock Numbers (NSN) assigned to streamline the purchasing process. Shpak drones, antennas, ground control stations, remote controllers, FPV goggles, and other auxiliary items are available on demand to establish mission-ready FPV drone capabilities.

INCREASED EW RESISTANCE

through multi-band control Frequency-Hopping and non standard video frequencies

FULL EQUIPMENT SOLUTION

for continuous use in combat environments and tactical scenarios

REMOTE CONTROLLED INITIATION

solution allows operators to initiate explosive devices upon impact or manually

FIBER-OPTIC CONTROL AVAILABILITY

eliminates the need for line-of-sight, enabling flawless video signal transmission

OPTIONS FOR RELIABLE PERFORMANCE:

FREQUENCY-HOPPING
for enhanced jamming resistance

FIBER-OPTIC CONTROL
eliminates the need for line-of-sight

ROBUST DESIGN & HIGH PERFORMANCE

With its robust design and powerful motors, the Shpak drone can carry up to 5 kg of payload. It is optimized for a 2 kg payload over a 20 km range. It can reach a service ceiling of up to 3 km and strike targets at a maximum airspeed of 145 km/h. These performance characteristics make it a versatile combat tool.

ENHANCED JAMMING RESISTANCE

The Shpak drone operates across three control frequency bands. Users are able to either select one of these frequencies as fixed or enable multi-band frequency hopping spread spectrum (FHSS). Multi-band FHSS provides significantly enhanced resistance to jamming compared to drones operating in standard frequencies. Moreover, Shpak drones are also capable of transmitting video in non-standard frequencies. This increases availability of video channels and improves resistance to video jamming.

FIBER-OPTIC CONTROL

Fiber-optic control capability enables strikes on high-value targets (HVTs) at distances of up to 10 km while enhancing immunity against Electronic Warfare (EW) jamming and eliminating the need for line-of-sight. A powerful battery and high current capacity support a range of payloads, with maximum capacity varying based on cable length.

OPTIONAL ENHANCEMENTS AVAILABLE:

Thermal Camera for night operations

Terminal guidance capability for precision strikes

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NOTE: the product's appearance in the image may differ from the actual item. However, it does not impact the technical parameters.

NATO CODIFICATION • AC/135 EST. 1949

NATO STOCK NUMBERS (NSN):

1550-47-001-2042 / Drone Shpak
5895-47-001-2047 / Ground Control Station
5985-47-001-2048 / Antenna Rack