**Press Release July 2025**

**New Capability for KarguFPV:**

**KarguFPV Enhanced with Armor-Piercing Warhead and Fiber-Optic Cable**

*STM has equipped its national kamikaze drone, KarguFPV, with new features: an armor-piercing warhead and a fiber-optic cable, expanding its capabilities beyond the previously integrated anti-personnel warhead.*

STM Savunma Teknolojileri Mühendislik ve Ticaret A.Ş., one of the leading engineering companies in the Turkish defence industry, continues to deliver effective and low-cost solutions against asymmetric threats in modern combat environments. The KarguFPV, which had previously drawn attention with its autonomy-supported precision strike capability and anti-personnel warhead, has now gained the ability to neutralize armored vehicles and fortified targets through the integration of an armor-piercing warhead.

With the addition of a fiber-optic cable, KarguFPV can now operate without being affected by electromagnetic jamming, enabling safe flight and precise targeting without dependence on GPS or RF signals. Both systems have successfully passed their field trials.

**Güleryüz: New Features Expand the Operational Envelope of KarguFPV**

STM General Manager Özgür Güleryüz said:

"By upgrading the warhead and communication system of KarguFPV, we have transformed the platform into a more versatile solution. In particular, the addition of armor-piercing munition and fiber-optic cable capability significantly broadens its operational usage on the battlefield. As STM, we remain committed to delivering adaptable and indigenous technologies tailored to the evolving nature of modern warfare.”

**Advanced Security, Autonomy and Precision Strike**

By combining its expertise in autonomy, image processing, and artificial intelligence with FPV systems, STM continues to develop technologies that will shape the combat environments of the future. The KarguFpv Kamikaze Drone, which can serve as a deterrent force against dynamic threats in asymmetric warfare environments, is directed towards enemy elements with its operator-controlled real-time vision system and neutralises its target with anti-personnel and armour-piercing warhead. Its high manoeuvrability, effective day and night operation capability, and low radar cross-sectional area ensures the efficacy of STM’s FPV Drone against fixed or moving targets. The FPV Drone is equipped with an advanced military security fuze and integrated day and night camera, and can operate without being compromised by such electronic warfare effects as jamming/blinding. The platform offers automatic detonation at an adjustable distance through its distance fuze sensor, while its autonomous terminal diving capability, supported by image processing, marks the target and ensures a precise hit.

**Technical Specifications**

Range : 10 km

Endurance : 20+ minutes kamikaze mode

 : 44 minutes observation mode (without ammunition and fuze)

Mission Altitude : 500 m

Maximum Altitude : 5500 m (MSL)

Maximum Speed : 160 km/h

**Payload Options**

* Anti-Personnel Warhead
* Armor-Piercing Warhead
* Fiber-Optic Cable

**FPV Drone ?**

FPV (First Person View) Drones have shown their value, particularly during the Ukraine-Russia war, as a low-cost and effective attack tool that the operator flies through real-time images transmitted from drone's camera to a pair of smart glasses or monitor, directing it to the target for a precision strike.

**Click For New KARGU FPV Drone Video:** <https://we.tl/t-aIdUe3KojS>

**About STM**

Having served the defence sector for more than 34 years in the fields of engineering, technology and consultancy, STM is today applying its core capabilities and technologies to strategic systems, ranging from naval platforms to tactical mini UAV systems, and from command and control to cyber security, while carrying out studies in critical areas for Türkiye and friendly nations.