

# Types of Ukrainian optical modules



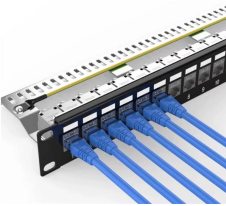
## Overview

The appearance of FPV drones with fiber-optic control broke away from the radio-frequency logic of modern warfare and presented new challenges for Ukraine's Defense Forces. What are these drones, and how is Ukraine trying to counter them—read in the RBC-Ukraine's material. Ukraine's Unmanned Systems Forces test a universal fiber-optic module for all drones, while a US company integrates optical navigation into radio-controlled drones. The “Silkworm” fiber optic module on a drone. Photo: Unmanned Systems Forces. Ukraine's Unmanned Systems Forces have introduced. Although budget optics offer a significant discount from their premium competitors, they lack a combat track record. Add We Are The Mighty Adding us as a Preferred Source in Google by using this link indicates that you would like to see more of our content in Google News results. The whole point is to bypass radio jammers by creating a direct, physical link between the drone and its pilot. See the enemy from afar! To detect the enemy in time means to transmit information, plan.

## Types of Ukrainian optical modules



In the war against russian occupiers, the Ukrainian military uses a wide range of optics. Depending on the nature of the unit's combat tasks, the type of terrain, the season, and the specific military goals, ...



Ukrainian soldiers quickly learned to jam their radio frequencies, and the effectiveness of enemy drones dropped. Then the Russians recalled older military technologies and decided to use ...



Ukraine is now racing to close the gap. In February 2025, Ukraine's Unmanned Systems Forces unveiled the "Silkworm," a domestically-made modular fiber optic spool. It signals a serious ...



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While the battlefield performance of the optics is difficult to verify, Ukrainian troops continue to field them. Even bodyguards for Ukrainian President Volodymyr Zelenskyy have been ...



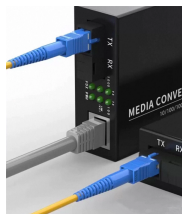
The main optical devices needed by the AFU: list of categories, specific models, description of characteristics, photos and where to buy optics for the Ukrainian Defense Forces



Ukraine's Unmanned Systems Forces have introduced universal fiber-optic navigation modules, named Shovkopryad ("Silkworm"), designed for integration into air, ground, and maritime ...



In a significant stride towards bolstering its defense capabilities, Ukraine has successfully developed and tested the "Silkworm" fiber optic ...



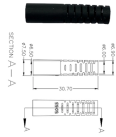
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In a significant stride towards bolstering its defense capabilities, Ukraine has successfully developed and tested the "Silkworm" fiber optic modules, designed for seamless integration into ...



The Ministry of Defense of Ukraine emphasizes that since the beginning of this year, more than 10 new models of unmanned aerial systems ...



The Unmanned Systems Forces (USF) tested the Ukrainian-made universal fiber optic modules «Silkworm». This is the third generation of the product, which has received a number of ...



The Ministry also noted that since the beginning of 2025, more than 60 models of unmanned systems with fiber-optic control channels have been approved for use—highlighting that ...



The Ministry of Defense of Ukraine emphasizes that since the beginning of this year, more than 10 new models of unmanned aerial systems with fiber optic control have been codified and ...

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