

Serbian optical receiver anti-tracking



Overview

This receiver allows for remote control of the radar using optical cable at distances from 100 to 500 meters, significantly enhancing operational flexibility and efficiency. The Serbian Air Force and Air Defence have employed this set for their modernized P-12 and P-18 radar. These improvements have efficiently enhanced the radar's detection performance, featuring automatic tracking capability and the ability to receive data from other radar sensors. Serbia unveiled an upgraded PASARS mobile air-defence truck at Partner 2025, combining a 40mm Bofors, Mistral/Strela/Malyutka missiles, radar, and counter-UAV EW for layered protection. The ALAS missile is developed primarily to engage tanks, armored vehicles, command posts, industrial facilities, and bridges. The P-18 or 1RL131 Terek (also referred to by the NATO reporting name "Spoon Rest D" in the west) is a 2D VHF radar developed and operated by the former Soviet Union. The P-18 early warning radar is a development of the earlier P-12 radar, the P-18 radar being accepted into service in 1970. Serbia has showcased a modernized version of its PASARS mobile short-range air defence system at the PARTNER 2025 exhibition in Belgrade. Below is. The production program consists of: 1. Guidance and control of missiles and missile systems (TV homing heads 200mm, TV-IR homing heads 175mm, "Arrow 2M, "Arrow 10".



Article Content

Discover Yugoimport from Serbia: A Global Leader in

This receiver allows for remote control of the radar using optical cable at distances from 100 to 500 meters, significantly enhancing operational

Serbia upgrades PASARS air defense system with new anti-drone

The RPS-42 radar provides detection and tracking capability for the system, covering altitudes from 10 to 10,000 m and ranges up to 30 km. It can detect UAVs of all sizes, helicopters,

ALAS (missile)

The ALAS delivers long-range precision effects at up to 25 kilometres and features man-in-the-loop control for real-time target discrimination and mid-course updates against high-value or time-sensitive targets. Its sensor suite integrates advanced electro-optical (EO) and infrared (IR) seekers with day/night thermal imaging for high-precision target detection and tracking. A dual communications architecture via secu

P-18 radar

Modernized radar features automatic tracking capability as well as data receiving from other radar sensors. Data can be exchanged over a variety of communication channels in approved format.

Serbia Unveils Upgraded PASARS System with Enhanced Anti-Drone

It features the RPS-42 hemispheric radar, which enhances detection and tracking of several threat types, including low-flying aircraft and drones. It now also has a counter-UAV jammer /

About us

The company is a significant partner to other companies in the Defense Industry, producing sighting devices for mortars, optical devices for combat vehicles, as well as optoelectronic systems and fire

A Serbian PASARS-16 anti-aircraft system : r/TankPorn

This year some of the PASARS SPAAs were also seen mounting a tracking radar on the top of the turret giving them some autonomy. Finally, there's also a prototype PASARS which uses four hemispheric

Minister Vulin: The development of the PASARS system and the ...

After the testing, Minister Vulin said that the development of the PASARS anti-aircraft system, together with the modernized "Giraffe" radar is important not only for our Air Defence, but also for the entire

PRECISION GUIDANCE SEEKERS

The I2R camera with single field of view optics is carried within a high performance gimbal to provide steering and stabilisation of the line of sight. The seeker concept is capable of detection and tracking

PRELOM_1_NTP_2023_RADOVANOVIC

Reducing Human Effort of the Optical Tracking of Anti-Tank Guided Missile Targets via Embedded Tracking System Design, American Journal of Artificial Intelligence, 2018, Vol. 2, No. 2, pp. 30-35 ...

Serbian heavy anti-tank guided missile EDePro ALAS

ALAS (Advanced Light Attack System) – new Serbian rocket system developed by private company EdePro and authors Yugoimport SDPR. ATGM ALAS is a heavy multifunctional missile

DT_DEC08 dd

The turning point for VHF radars came with the Allied Force bombing campaign in Serbia, when the Serbian air defences shot down an F-117A, using a digitally upgraded Spoon Rest and SNR-125 Low

Wideband Anti-Jamming Based on Free Space Optical

We propose and demonstrate an anti-jamming system to defend against wideband jamming attack. Free space optical communication is deployed to provide a reference for jamming

Robust Carrier Phase Tracking in the GNSS Space

In this paper, the carrier phase bias correction (CPBC) algorithm 17 is proposed for robust GNSS carrier phase tracking in the static STAP anti-jamming 18 receivers, which does not require the ...

Overview of satellite nav spoofing and anti-spoofing techniques

Furthermore, the paper elaborates on the impact of spoofing interference on receiver performance, examining its effects on positioning, timing, and velocity estimations. A detailed

Optimization of Optical Receiver Parameters for Pulsed Laser-Tracking ...

Theoretical analysis and optimization of an optoelectronic receiving chain in pulsed laser-tracking systems are presented. The optical receiver and electronics for analog signal processing

Design and processing of anti-IFM receiver WOFDM-MCFC low

Download Citation | On Jul 1, 2025, YueHong Ma and others published Design and processing of anti-IFM receiver WOFDM-MCFC low intercept radar signal | Find, read and cite all the research you

Serbian police use mobile phone spyware to keep track of opponents

Amnesty International says Serbia's secret service and police have been spying on journalists and opposition activists by installing spyware on their mobile phones.

Contact Us

Continue your research online:

Website: <https://cjcconsultants.co.za>

Technical inquiry: <https://cjcconsultants.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

