KBRLABS

# MATRIX SERIES

## interception

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www.kbrlabs.com

# Matrix Star

MatrixStar is a Passive Acquisition solution, is a signal collection system designed to discreetly acquire satellite phone/terminal identity identifiers, call metadata, SMS information, and data traffic records, enabling comprehensive communication insight while maintaining a low operational profile.

Matrix STAR delivers a comprehensive end-to-end solution, from long-range detection to precise user localization. It supports both standalone operations to a fully integrated command-and-control systems, scaling from multi-regional deployments to national-level monitoring and control environments.

# Matrix Spectra

Matrix Spectra is specifically designed to Monitor and Disruption of the "SL" system. It can emit micro-wave interference signals to disrupte"SL" satellite ground stations, thereby achieving the goal of blocking the "SL" signal.

Matrix Spectra offera comprehensive end-to-end solution, from long-range detection to precise user localization. It supports both standalone operations and fully integrated command-and-control systems, scaling from multi-regional deployments to national-level monitoring and control environments.

# Matrix Whisper

Matrix Whisper is a Passive Acquisition solution,itis a signal collection system designed to discreetly acquire terminal identity identifiers, call metadata, SMS information, and data traffic records, enabling comprehensive communication insight while maintaining a low operational profile.

## Matrix EVD

The system adopts Doppler diffuse reflection optical laser technology, matrix detection technology, auto digital focusing technology and other innovative achievements.

With long distance, no preset, and non-contact application environment, it can realize the synchronization of target sound information tens of meters away.

The system has obvious advantages in sub-nanometer weak vibration measurement and weak return light detection capability, and has outstanding advantages in target medium adaptability, working distance, window angle and so on.

## Matrix Access

### TPM KEY RECOVERY

A specialized tool designed for law enforcement, corporate security, and digital forensics teams to regain access to TPM-locked Windows disks without compromising evidence.

No physical disassembly of the device. Preserves hardware integrity.

No password guessing or cryptographic attacks. Legally defensible.

Internet-free operation. Zero cloud communication ensures total data privacy.

Maintains full evidence chain of custody for legal proceedings.

### CRYPTO WALLET ACQUISITION

EXODUS

UNISWAP

TRUST WALLET

Phantom

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# MATRIX STAR

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# Matrix Star

**Advanced Satellite Communication Intelligence Platform**
**Multi-Network Monitoring | Scalable Architecture | Mission-Ready Deployment**

Modern satellite communication systems enable global connectivity beyond traditional network boundaries. While essential for legitimate use, these systems are increasingly leveraged in remote, covert, or infrastructure-limited environments.

**MATRIXSTAR** is an advanced intelligence platform designed to support authorized agencies with comprehensive monitoring, analysis, and situational awareness across multiple satellite communication networks. The platform provides a modular, scalable, and deployment-flexible solution—enabling both centralized operations and rapid field deployment.

## Core Functional Modules

**Signal Processing Module**
- Automated detection & classification of satellite signals
- Dynamic frequency tracking & channel identification

**Data Processing Engine**
- Extraction of communication metadata
- Session logging & indexing for analysis

**Visualization Interface**
- Intuitive graphical user interface
- Map-based
- Timeline & event-based data display

**Analysis & Intelligence Tools (Optional)**
- Voice analytics & pattern recognition
- Link analysis for relationship mapping
- Data correlation across multiple sources

## Technical Specifications Summary

**Downlink Range**
- Up to 100 KM/unit

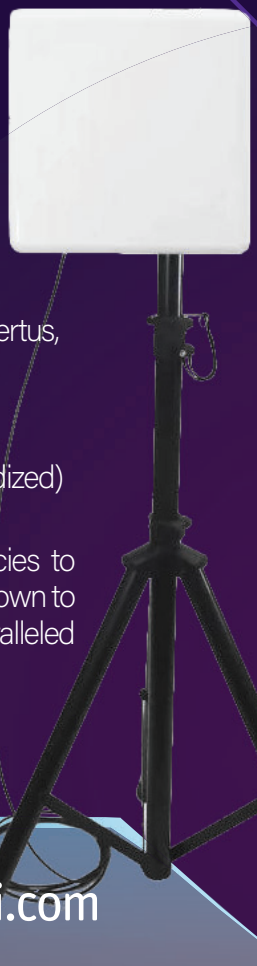
**Uplink Range**
- Up to 10 KM/unit

**Geolocation Accuracy**
- Up to 10 meters

**Acquisition Types**
- Voice, sms and data

**Supported Networks**
- BGAN, GSPS, Thuraya, Iridium, Iridium Certus, IsatPhone 2

**Deployment Modes**
- Central Command, Field, Mobile (Ruggedized)



**MATRIXSTAR** delivers a modern, scalable, and mission-ready capability—enabling authorized agencies to operate effectively in complex and distributed communication environments. With precision geolocation down to 10 meters and multi-network support across leading satellite systems, MATRIXSTAR provides unparalleled situational awareness.

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# MATRIX SPECTRA

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# Matrix Spectra

## LEO Satellite Signal Monitoring & Geolocation System

The rapid proliferation of Low Earth Orbit (LEO) satellite internet constellations has introduced a new and dynamic layer of global connectivity. As this space-based infrastructure expands, effective monitoring has become critical for:

- Spectrum management
- Signal intelligence (SIGINT)
- Regulatory compliance
- Operational security

**MatrixSpectra** is an advanced monitoring and geolocation solution designed to deliver comprehensive situational awareness of LEO satellite networks—seamlessly integrating downlink signal monitoring with uplink terminal geolocation for a complete, near real-time operational picture.

## Core Capabilities

**Downlink Signal Monitoring**
Automatically scans, tracks, demodulates, and analyzes LEO satellite broadcast/service signals across Ku-band

**Uplink Terminal Geolocation**
Detects, direction-finds, and precisely locates ground terminals transmitting to LEO satellites

**Integrated Situational Awareness**
Fuses satellite positions, beam coverage, and terminal locations into a single intuitive electronic map

**Rapid Deployment**
Compact, portable system design enables fast setup in forward, temporary, or remote environments

## Technical Specifications Summary

**Frequency Band**
Uplink/Downlink - KU-Band

**Antenna Type**
Uplink - Phased Array
Downlink - Directional/UAV mounted

**Geolocation Method**
TDOA + Direction Finding

**Deployment**
Uplink - Fixed or portable
Downlink - Ground fixed or airborne

**Accuracy**
Uplink - Beam level
Downlink - Meter level

**MatrixSpectra** delivers a complete, real-time operational picture of LEO satellite activity—from wide-area downlink monitoring to precision uplink terminal geolocation. Designed for the new space domain, it provides authorized agencies with the tools needed to maintain situational awareness, enforce regulations, and protect critical assets.

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