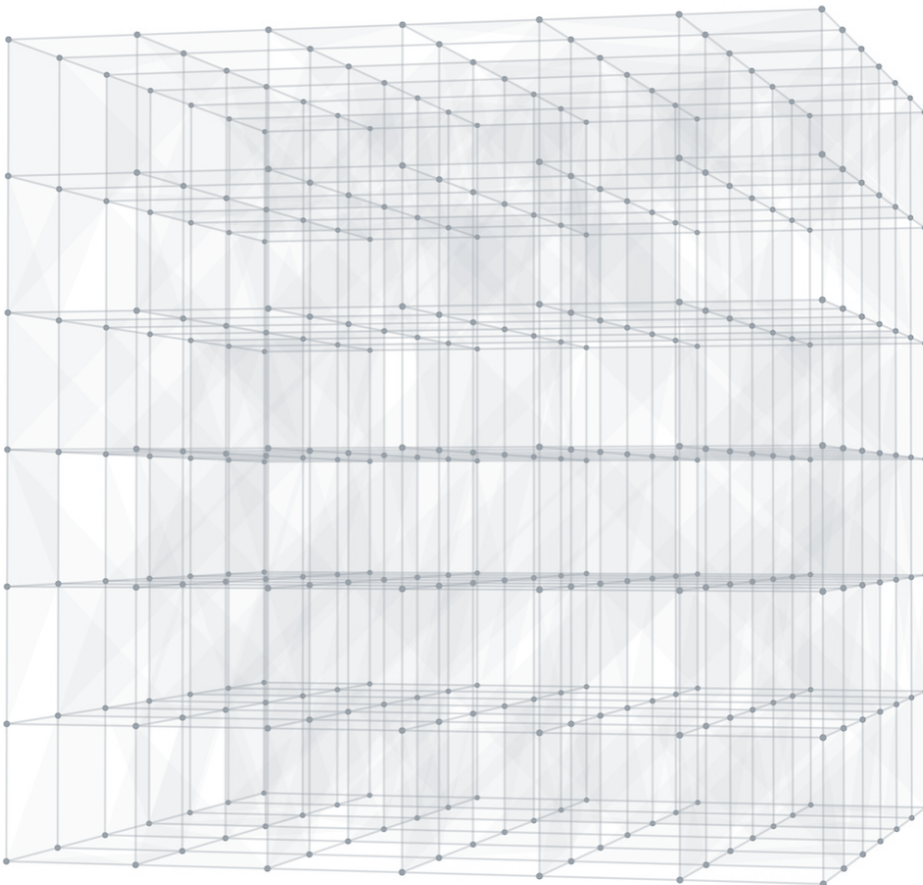


Technical Specification

CYBER CONTROL SYSTEM #3A1

STAINLESS STEEL BARS

Automated Global Security System



1. General Description

The Cyber Control System #3A1 (Stainless Steel Bars) is the flagship model of the Metal Series, designed for global protection and automated predictive analysis without the need for on-site operators. Based on the architecture of the Night Plus #711, the #3A1 system expands operational capacity by integrating:

- multilayer satellite surveillance,
- behavioral artificial intelligence,
- mobile and dynamic monitoring of protected subjects or vehicles.

Built from polished 304 stainless steel bars, it combines physical robustness, electromagnetic shielding, and total resistance to impact, weather conditions, and radio interference. It represents the ultimate solution for both static and mobile security—ideal for high-sensitivity environments, private properties, vehicles, strategic infrastructures, and command centers.

2. Hardware Specifications

Parameter	Description
External Structure	Polished 304 Stainless Steel bars with shock-resistant treatment and EMI-RF electromagnetic shielding
Main CPU	AI Neural Engine 16-Core @ 3.2 GHz – optimized for predictive computation and computer vision
Co-Processor	Dedicated CyberLink module for encrypted real-time processing
RAM Memory	16 GB DDR5 ECC
Local Storage	2 TB industrial SSD with AES-512 encryption (durability > 1,500 TBW)
Cloud Storage	Distributed multi-node Blockchain Encrypted Storage
Integrated GPU	TensorFlow™ GPU with AI and Deep Learning acceleration
Power Supply	12/24 V DC, integrated UPS + optional solar module
Average Power Consumption	46 W (operating) / 12 W (standby)
Operating Temperature	-30°C / +70°C
Protection Rating	IP68 (resistant to immersion, sand, dust, and impact)
Connectivity	Gigabit Ethernet / Wi-Fi 6E / 5G / Bluetooth 5.3 / GPS / Galileo / GLONASS
Physical Interfaces	6× USB 3.1 / 2× RS-485 / 1× HDMI / 1× SD slot / 1× SIM slot
Expandable Modules	Up to 128 remote modules via KNX, Zigbee, Z-Wave, or MQTT protocols

3. Compatible Sensors and Modules

Module Type	Main Function
Intelligent IR Sensors	Detection of suspicious movements and unauthorized crossings
Doppler and Microwave Radar	Dynamic analysis of presence and motion speed
Multispectral IP Cameras	IR and UV night vision, thermal and body recognition
GPS/Galileo Modules	Global tracking of vehicles and persons
Dual-Band RF Sensors	Detection of abnormal radio or cellular communications
Directional Microphones	Recognition of specific sounds (impacts, breaking glass, alarms)
Biometric Sensors	GDPR-compliant body and posture recognition
Environmental Modules	Analysis of temperature, humidity, gas, vibration, and pressure
Metal Series Home Automation Accessories	Control of lights, doors, shutters, irrigation, climate, and alarms
Onboard Vehicle Modules	Real-time monitoring of routes, stops, deviations, and pursuits

The Cyber Control #3A1 supports an unlimited number of sensors, cameras, and remote devices, integrating them into a single encrypted cloud ecosystem.

4. Software and Advanced Features

Predictive Artificial Intelligence

- Proprietary Cyber-AI algorithm based on continuous deep learning
- Real-time behavioral analysis of individuals, vehicles, and movement flows
- Prediction of abnormal events or imminent threats with <2% error margin
- Adaptive learning based on historical and environmental data

Traffic Analysis and Tracking

- Detection of vehicles following correlated routes or repetitive paths
- Automatic identification of disguised or repeated tailing patterns
- Comparison with habitual routes and alerting for suspicious deviations
- Generation of alternative route suggestions integrated into secure GPS systems

Communication Control and Satellite Triangulation

- Analysis of messaging, calls, and dual-band (128-channel) radio transmissions
- Automatic triangulation of nearby devices linked to the protected subject or vehicle
- Correlation of connected devices to detect surveillance or interception networks
- Global operation with synchronization via Galileo + Iridium + Starlink satellite networks

Motion Recognition and Mobile Security

- Detection of atypical behaviors (sudden running, unusual stops, equipment transport)
- GDPR-compliant 3D body pattern recognition
- Automatic event recording and encrypted storage
- Unlimited geographic coverage (except in restricted government zones)

5. Cybersecurity and Data Protection

- Dedicated on-cloud firewall with end-to-end AES-512 encryption
- Air-gapped architecture: no direct connection to local electrical or IT networks
- Hardware Security Module (HSM) authentication token
- Blockchain validation for every data access or modification
- Multifactor authentication with dynamically rotating cryptographic keys
- Full GDPR compliance

6. User Interface and Management

- Cyber Commander Suite (Windows, macOS, Android, iOS): centralized management and analytics software
- 3D interface with interactive satellite map, geolocated sensors, and dynamic alerts
- Remote control via CPU, smartphone, or tablet with two-factor encrypted access
- Instant notifications via push, email, SMS, or automated call
- Multi-level user panel with role and permission management

7. Options and Configurations

Version	Description
Cyber Control #3A1 PRO	Full version with satellite analysis and multi-layer blockchain storage
Cyber Control #3A1 Light	Reduced configuration for residential or private use
Cyber Control #3A1 Fleet	Version dedicated to corporate, governmental, or security fleets
Cyber Control #3A1 Hybrid	Dual architecture (local + distributed cloud) with automatic failover

Available colors: polished steel, graphite, titanium, matte black

Installation: wall-mounted, pole-mounted, rack-mounted, or vehicle-mounted (fixed or mobile).

8. Services and Support

- Custom site and security network analysis and design
- Certified installation and technical testing
- Staff training and 24/7 remote assistance
- Predictive maintenance via cloud
- 3-year warranty, extendable up to 7 years

9. Operational Limitations

* Some restrictions may apply in military or strategic areas (e.g., air bases, space centers, restricted zones).

** Services not available in countries limiting data transmission (e.g., North Korea, Iran, Libya).

For an updated list, please contact the authorized distributor.