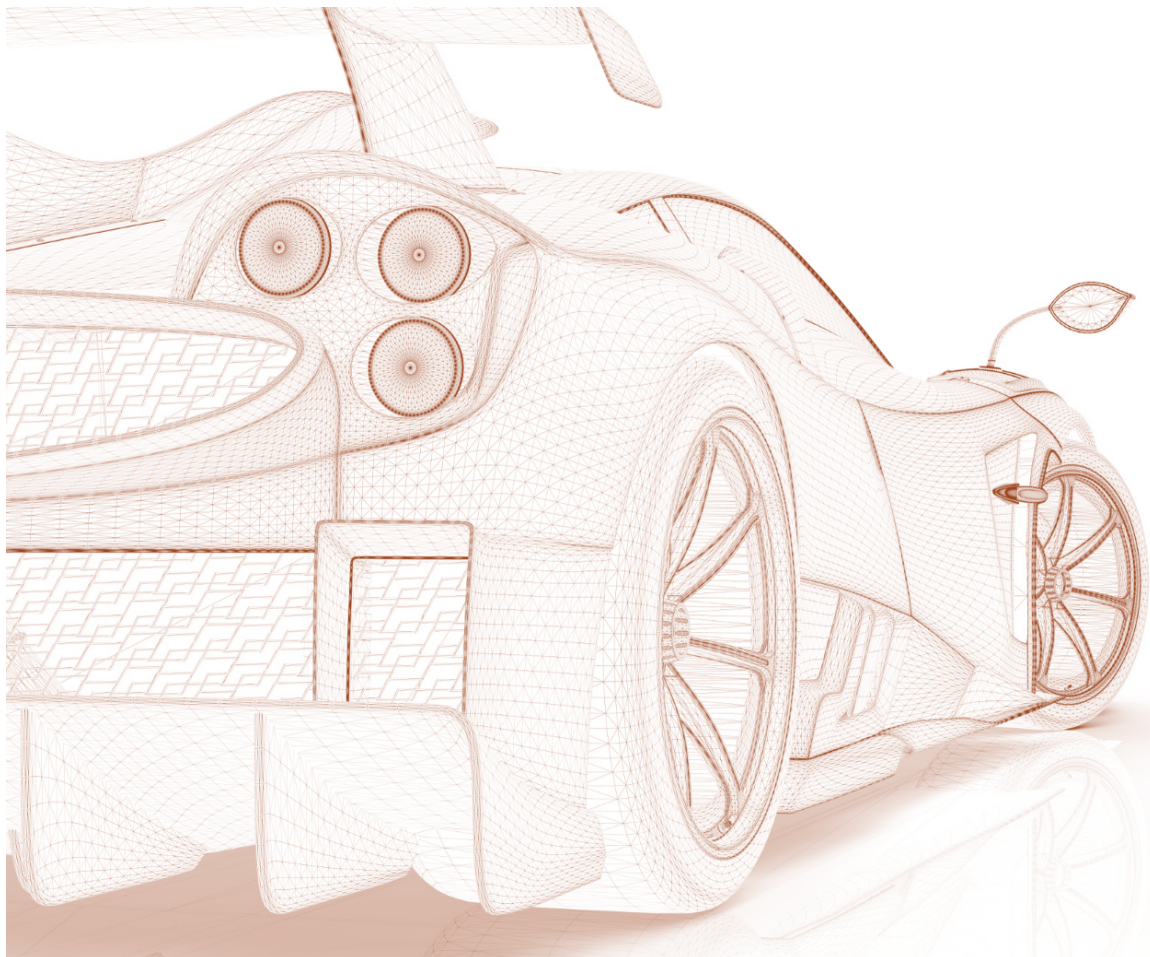


Technical Specification

HRB LUXURY SYSTEM #1A0

SILVER NUGGETS

Intelligent Security and Comfort System for Luxury Vehicles



1. General Description

The HRB Luxury System #1A0 (Silver Nuggets) is the first intelligent automotive software of the Metal Series, designed to ensure dynamic safety, predictive comfort, and global control during driving.

Based on the architectures of Simbir Security Plus 9000 and Cyber Control #3A1, it integrates advanced analytical surveillance and prevention functions with modules dedicated to wellness and personalized driving experience management.

Built from a refined Nickel-Silver technical alloy (Silver Nuggets Alloy), the system is engineered for high-end vehicles and supercars, providing proactive protection, analysis, and assistance to every driver — with special features for young family members or service staff.

2. Hardware Specifications

Parameter	Description
External Structure	Nickel-Silver Alloy (Silver Nuggets Alloy) with EMI shielding and heat-treated anti-wear finish
Main CPU	Automotive AI Core™ Octa-Core @ 3.2 GHz with integrated neural prediction module
Co-Processor	HRB DriveLink™ for real-time behavioral analysis and vehicle sensory management
RAM Memory	16 GB DDR5 ECC (optimized for continuous automotive operation)
Local Storage	2 TB SSD with AES-512 encryption and redundant RAID 1 backup
Cloud Storage	HRB SecureCloud™ – shielded cloud infrastructure with blockchain validation
Integrated GPU	DriveVision™ AI for vehicle, route, and road sign recognition
Power Supply	12/24 V DC – internal UPS with autonomous power continuity module (up to 24h)
Average Power Consumption	29 W (operating) / 9 W (standby)
Operating Temperature	-30°C / +70°C
Protection Rating	IP67 – resistant to dust, moisture, and vehicular vibrations
Connectivity	5G / Wi-Fi 6E / Bluetooth 5.3 / GPS / Galileo / Automotive Ethernet / CAN-Bus / OBD-II
Interfaces	3× USB-C, 2× Mini HDMI, 1× SIM slot, 1× CAN Diagnostic Port
Main Unit Weight	1.9 kg

3. Compatible Sensors and Modules

The system uses both factory-installed vehicle sensors and additional modules from the Metal Automotive Series line.

Module Type	Main Function
Optical and Radar Sensors	Detection of distance, overtaking, and suspicious vehicle approaches
LIDAR / IR Modules	3D detection of abnormal movements or vehicles
Interior Cameras	Monitoring of driver behavior (attention, posture, stress)
Exterior Cameras	Recognition of vehicles, colors, models, and abnormal trajectories
Acceleration and Brake Sensors	Analysis of driving patterns and reaction levels
Directional Microphones	Acoustic detection of sirens, alarms, impacts, or environmental signals
Dual-Band RF Modules	128-channel scanning for detection of suspicious communications
GPS / Galileo Modules	Accurate route tracking and comparison with historical itineraries
Metal Domotic Interface	Connection with residences or headquarters via MetalCloud™ network
Optional Biometric Modules	Driver identification and verification of driving profile authenticity

4. Software and Advanced Functions

Predictive Driving Analysis

- Real-time evaluation of driver attention and behavioral consistency
- Calculation of lucidity and reactivity indexes via combined analysis of movements, speed, and environmental stimuli
- Accident prevention through intelligent acoustic and visual alerts
- Automatic detection of traffic violations via digital road sign recognition

Vehicle Safety and Active Protection

- Detection and tracking of suspicious vehicles following, overtaking, or preceding the car
- Predictive analysis of tailing and disguised pursuit behaviors
- Direct communication with control rooms and local law enforcement

- Stop Over Road™ function: remote controlled slowdown or stop in case of danger

Global Communications and Triangulation

- Monitoring of nearby telephone, radio, and messaging signals
- Dual-Band 128-channel scanning with automatic identification of anomalous transmitters
- Global satellite integration for constant vehicle location and movement tracking
- Real-time analysis of interconnected devices inside the vehicle

Metal Integration and Comfort

- Direct connection with Night Plus #711, Cyber Control #3A1, Simbir Security Plus 9000, and Music Memories Plus #ZZ54
- Synchronization of music, interior lighting, and climate according to mood and driving style
- Direct communication with monitored properties or home control centers

5. Cybersecurity and Data Protection

- HRB SilverShield™ firewall with 512-bit encryption
- Air-gapped architecture fully isolated from local electrical and IT networks
- Blockchain validation for each recorded security event
- Biometric or encrypted token authentication
- Digitally signed OTA (Over-The-Air) updates
- Fully GDPR compliant

6. User Interface and Management

- HRB Commander Suite software (Windows / macOS / Android Auto / Apple CarPlay)
- 3D vehicle dashboard with dynamic map, route history, and contextual alerts
- Family & Fleet Mode for simultaneous monitoring of multiple vehicles
- Integrated voice control and compatibility with digital assistants (Alexa, Google, Siri)
- Push notifications, email alerts, or automated calls to operators and owners

7. Versions and Configurations

Module Type	Main Function
HRB #1A0 Standard	Version for family and executive vehicles
HRB #1A0 Executive	Configuration with advanced tracking modules and fleet management
HRB #1A0 Protective	Edition with remote control and integration with operational centers
HRB #1A0 Sport	Version for supercars and sports vehicles with high-performance predictive response

Available Colors: Silver Chrome, Gunmetal Grey, Gloss Black, Platinum White

Installation: On-board (concealed) or external control rack

8. Services and Support

- Certified installation on compatible vehicles
- Personalized behavioral analysis
- Integration with Simbir and MetalCloud™ operational centers
- Driver and fleet operator training
- Continuous 24/7 remote support and software updates
- 3-year warranty, extendable up to 6 years

9. Operational Limitations

* Verify compatibility with vehicle model and manufacturing year.

** Some operational restrictions may apply in military or strategic areas.

*** Global coverage unavailable in countries with data restrictions (e.g., North Korea, Iran, Libya).

**** Physical intervention by private teams not permitted in certain nations (e.g., China, North Korea).