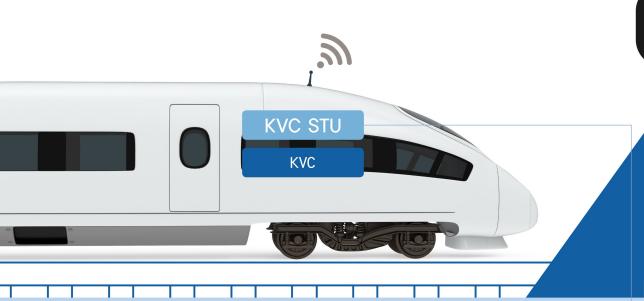


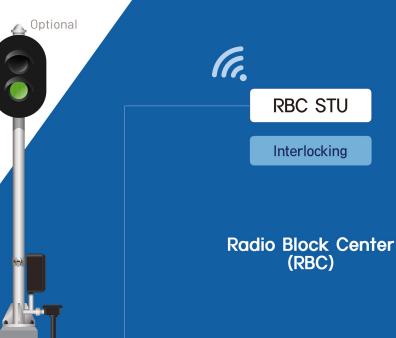
NBSOLUTION co., Ltd. http://namboo.co.kr

CEO Choo Ho-Cheol Established 2000,02

Head Office (58296) 160, Hyeoksinsandan-ro, Wanggok-myeon, Naju-si, Jeollanam-do, Korea Research Institute (07254) 51, Beodeunaru-ro 12ga-gil, Yeongdeungpo-gu, Seoul, Korea

STU





Safety Transmission Unit

Safety Transmitting & Ensuring Integrity

of Subset-026 between KVC and RBC



SUBSET-026, ERTMS/ETCS, System Requirements Specification SUBSET-037, Euroradio FIS SUBSET-098, RBC-RBC Safe Communication Interface SUBSET-114, KMC-ETCS Entity Off-line KM FIS



Dual core Arm®Cortex[™]–A53 CPU Freq up to 1.5GHz Armv8-A Architecture(64bit) Ethernet 100/1000 Base-T / 8ports USB 2.0(Host) type-A / 2ports USB 2.0(Client) type-B / 1port UART(Serial) / 4ports

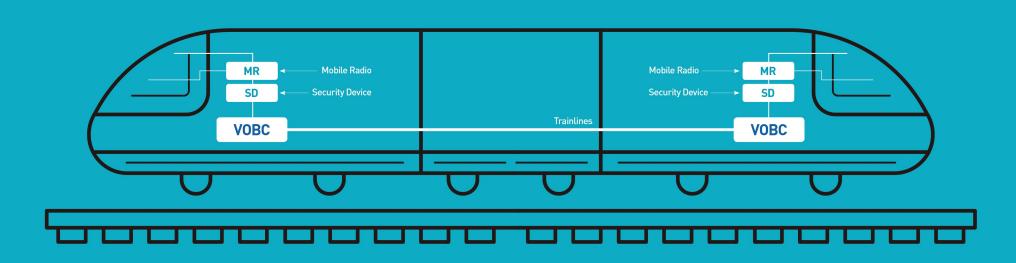












the core device of train control systems **Localization** of the **IRU** system

IRU

Interface Relay Unit

As an interface relay device, it serves as a subordinate device of the KVC signal device in the train control system, responsible for the interface of vital/Non Vital information between the vehicle system and the KVC signal device

STRENGTH

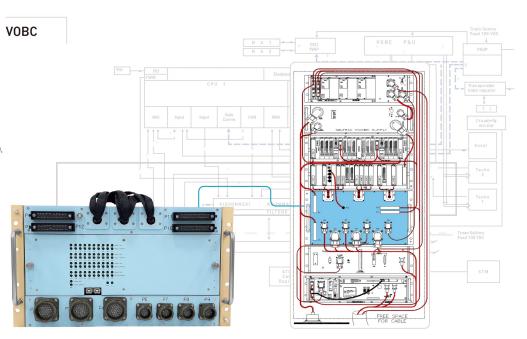
The internal relay operation status can be externally monitored by operators.

Unlike conventional maintenance procedures, it can be performed without the need for removal or disassembly,

The relay operation frequency is recorded.

enabling lifespan prediction and preventive maintenance through logging functionality.

- -Reduced frequency of train malfunctions
- Quick maintenance and response
- -Improvement in train operation efficiency



ERTMS CAMCORDER

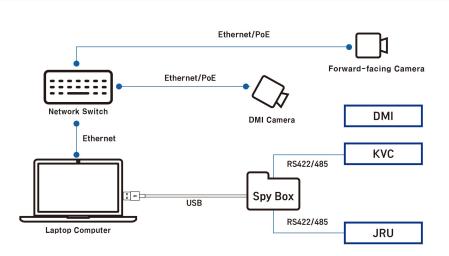


Constructing track maps

Recording and tracking KVC data

Verified testing equipment

Providing reports



KEY FUNCTIONS DMI display & recording

Forward-facing camera screen display & recording

Speed graph display & recording

Track map progress display & recording

Real-time message display & recording

Visualized user interface

Reproduction and verification of test results through playback

KVC-JRU Interface

RAILWAY SIGNAL VERIFICATION DEVICE





Including software for trial runs
Interface for various data collection



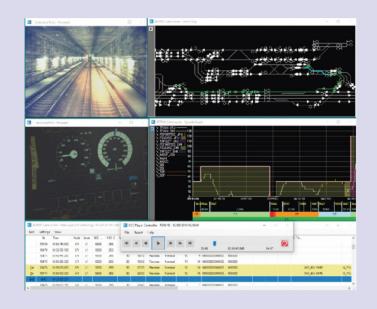
Camera

Recording the forward-facing view



Network Switch

Transmitting camera visuals to a laptop Providing an interface for camera control





Spy Box

Message capture tool KVC-JRU



JPS

Reliable power supply device



Storage Box

Safely storing components