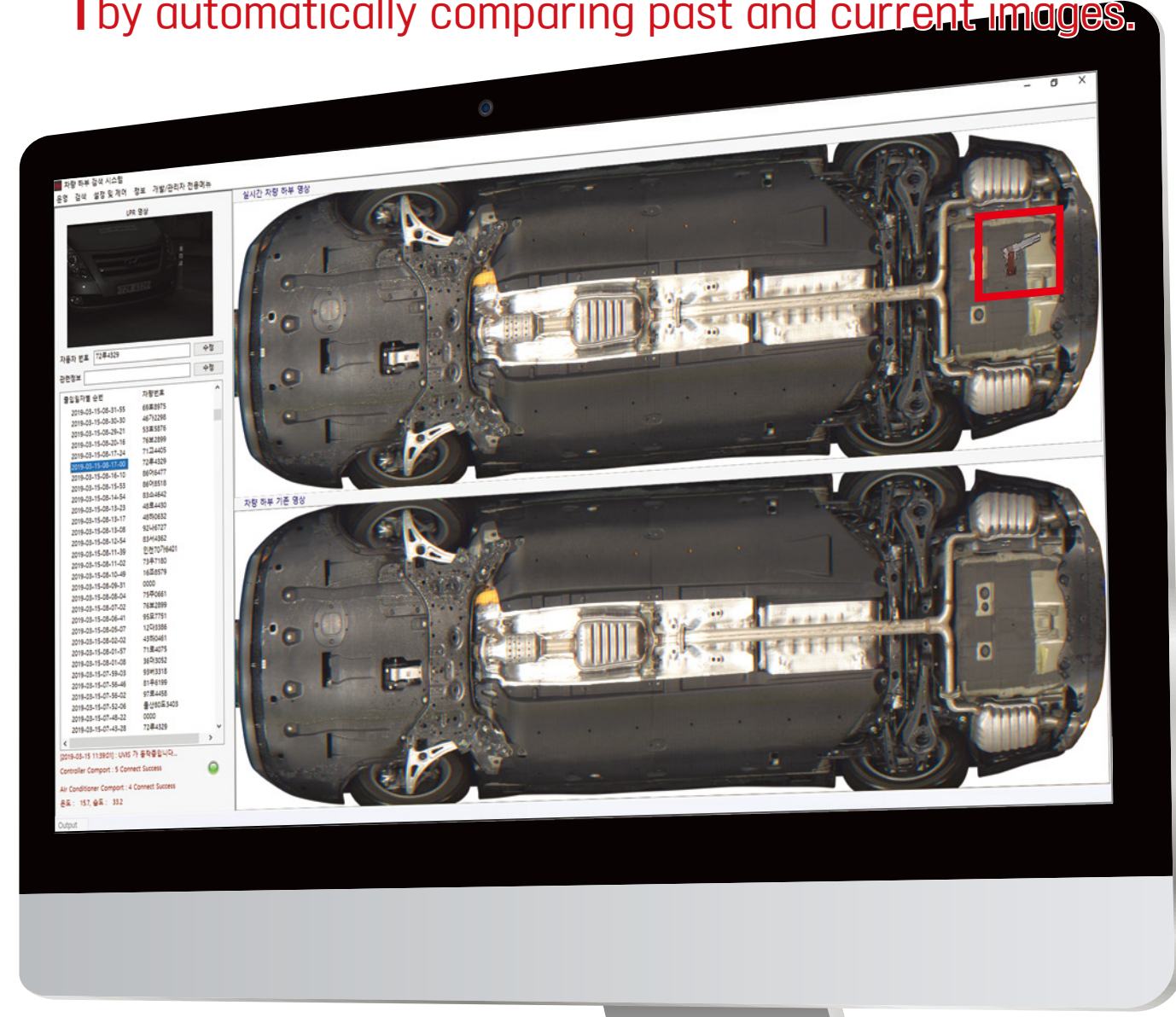**Vehicles with entrance/exit records will be checked for abnormalities and suspicion by automatically comparing past and current images.**

[Screen displaying actual comparison scan on 27" LED Monitor]

· The Under Vehicle Surveillance System by D&S Technology is installed in vehicle access gates in major national facilities, security facilities, and private facilities with strict facility protection regulations and needs. By precisely and clearly displaying the underbodies of vehicles, this system detects prohibited items hidden under the vehicle in real time.

· This world-class system has been recognized by the Korean government for its outstanding technology and quality, and has been designated as an "Excellent Product" by the Public Procurement Service.
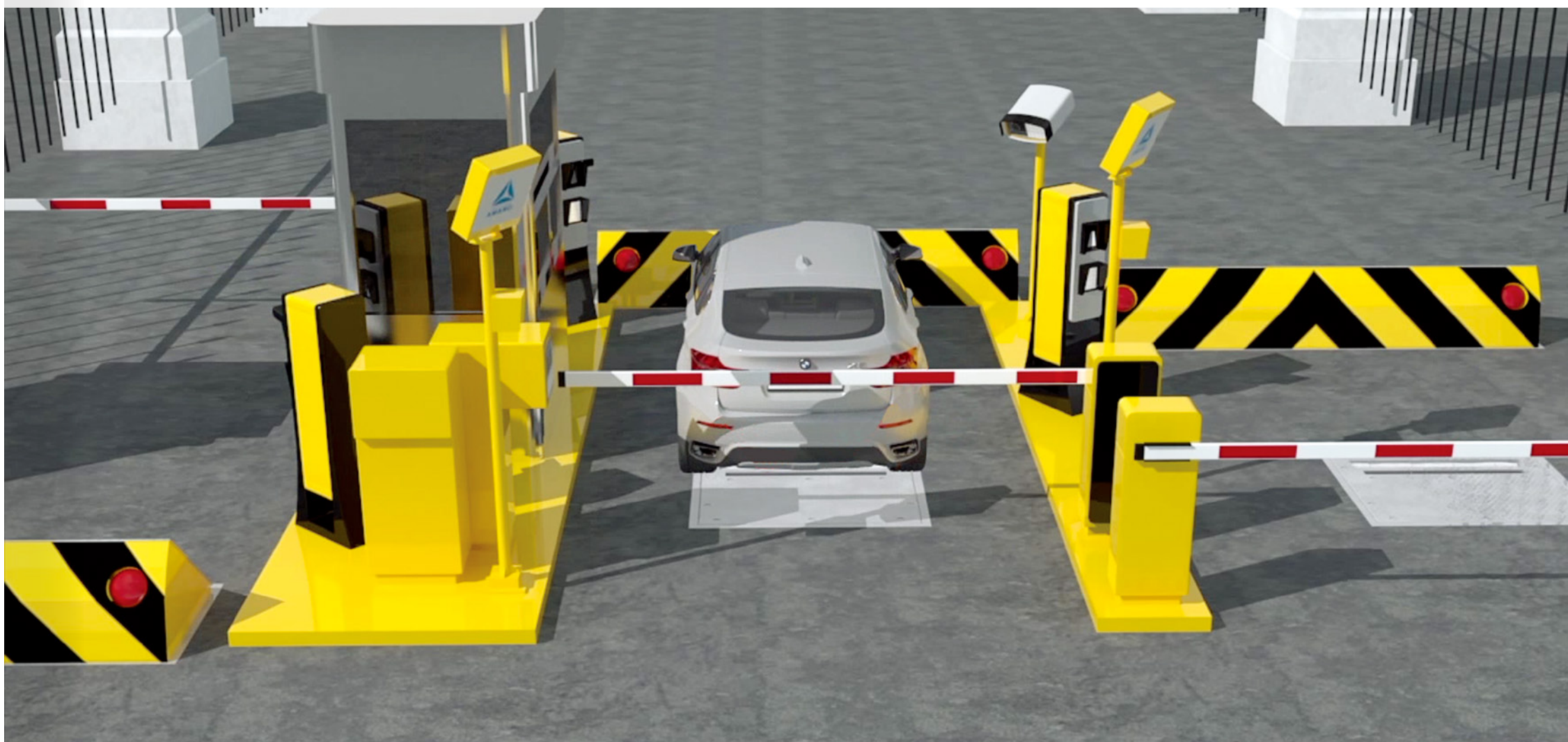
Patents and Certificates

Major Clients
(as of March 2019)

· Korea Gas Corporation (bases in Incheon, Pyeongtaek, Tongyeong, Samcheok, and Jeju)

· Gimhae International Airport

· Interior and exterior of Nonghyup Integrated IT Center

· PRT base in Afghanistan

· Embassy of the Republic of Korea in Turkey

D&S TECHNOLOGY®
Making a safer, better world

D&S Technology Co., Ltd.
201, Unit B, Amco Geniustar, 471, Gangseo-ro, Gangseo-gu, Seoul
T.02.771.3985 F.02.6093.8823 www.dnst.co.kr

Under Vehicle Surveillance System
Key Solution in Facility Protection Modernization

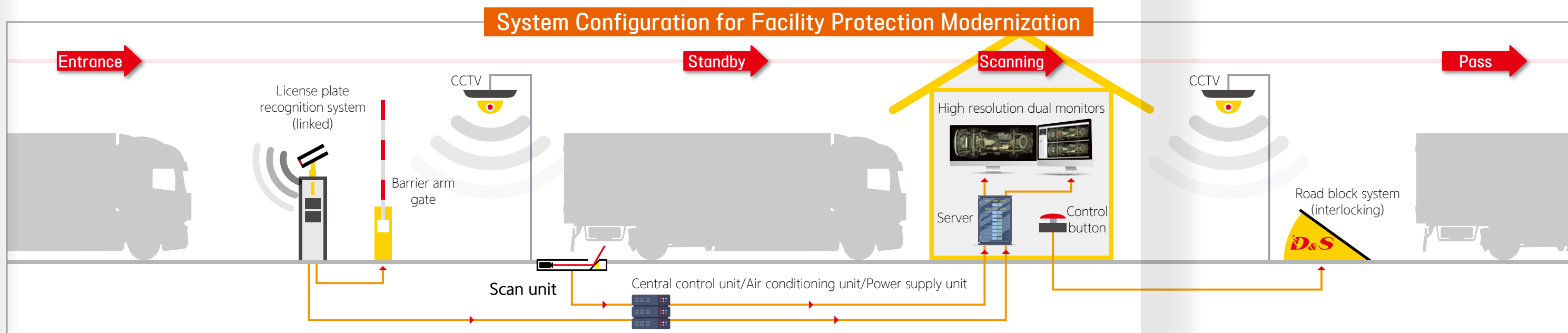**Public Procurement Service "Excellent Product" (No. 2018144)**

D&S TECHNOLOGY®
Making a safer, better world

Provides a clear image of vehicle undercarriage even at night without light.
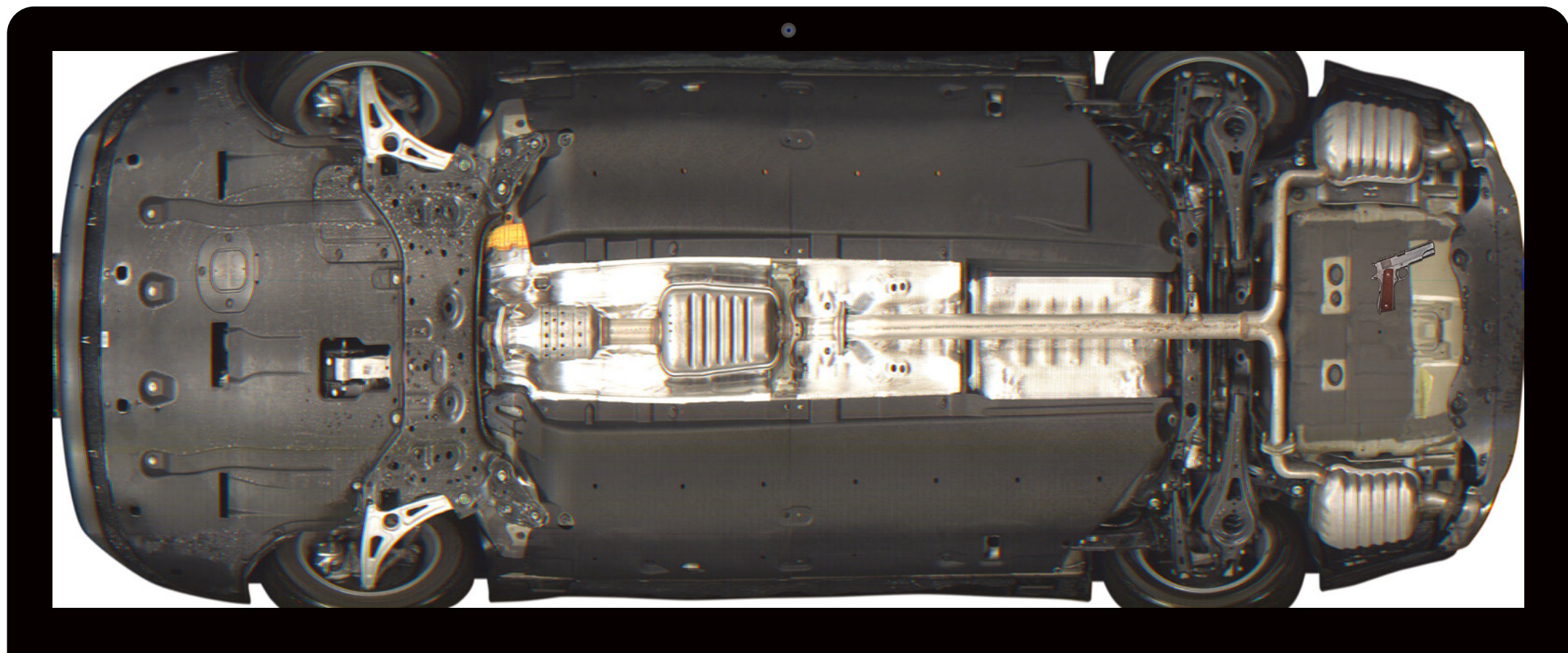
[Screen displaying the actual scan on 34" ultra-wide LED monitor]

System Configuration for Facility Protection Modernization

Entrance ► | Standby ► | Scanning | Pass ►

- License plate recognition system (linked)
- CCTV
- Barrier arm gate
- Scan unit
- Central control unit/Air conditioning unit/Power supply unit
- High resolution dual monitors
- Server
- Control button
- CCTV
- Road block system (interlocking)
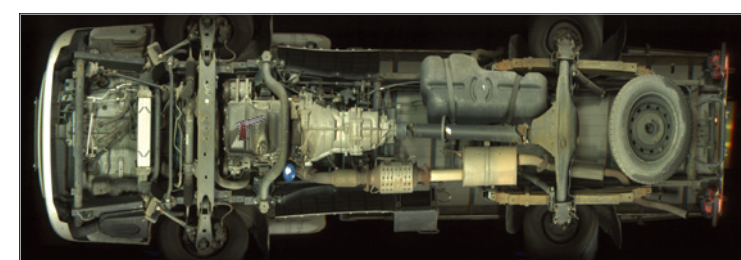

[Scanning unit (embedded type)]
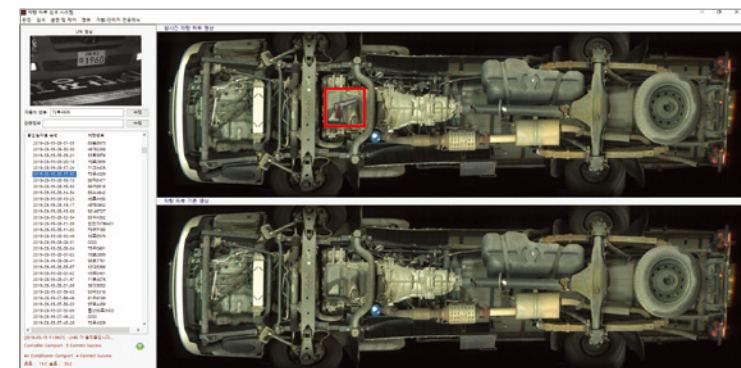

[License plate recognition system]

[Barrier arm gate]

[Scanning unit (mobile type)]

[Truck undercarriage scan image]

[Screen displaying automatic scan comparing past and current images]

[D&S Road Block System: Public Procurement Service "Excellent Product" (No. 2017022)]

[Collision Test: Completely blocked 6.8 t truck moving at 80 km/hr]

Major Functions

- Provides a clear image of the vehicle's undercarriage in both day and night
- Perfectly scans the undercarriage of a fast-entering vehicle
- Scanned image is displayed in less than one second
- Image can be magnified 16× and printed
- Automatic scan compares past and current images by linking with vehicle number recognition system
- Detects and analyzes abnormal objects by linking with vehicle type recognition system
- Hybrid type (embedded/mobile) scan unit
- Password protected

Basic Configuration

- Operation S/W (GS Certification No. 15-0036)
- Server
- High-resolution dual monitor
- Scanning unit (mobile/embedded)
- Central control unit
- Air conditioning unit
- Power supply unit

Additional Configuration

- Vehicle plate number recognition system
- Vehicle type recognition system
- Barrier arm gate
- CCTV
- Road block system (ASTM M50, P1 standard certification)

Major Specifications

Scanning Unit
- Camera: color line scanner
  - Sensor type: linear CCD
  - Resolution: 4096 pixels per line
  - Pixel size: 7μm × 7μm
  - Power: DC 12V
  - Lens: 12mm f2.8
  - Angle of view: 130°
- Lighting: LED type
- Body: aluminum/galvanized steel plate
- Operation temperature: -20-60℃
- Waterproof: IP67
- Size: 1190 × 775 × 110 mm

Server
- Processor: Intel i7
- Memory: 16GB
- Hard disk: 2TB

High-Resolution Dual Monitor
- Type: LED
- Size: 27" and 34" (ultra-wide)
- Resolution: 1920 × 1080 (Full HD)

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