



CPAS-UVIS under vehicle inspection systems

The Comm Port CPAS uses color area scanning technology to effectively scan and inspect the undercarriage of vehicles to search and analyze images for explosive devices, suspicious objects or contraband such as drugs and weapons. The system is ideal for government, military, transportation and corporation facilities requiring security checkpoints for vehicles such as vans, tractor trailers, buses and passenger vehicles.

Unmatched integration flexibility

Transmit your video and integrate it with automatic license plate recognition and driver image-capture cameras. The CPAS UVIS system can be configured with motion detection or loop detection so that you only record "live" events.

Seeing is securing in real time

With the CPAS Series, you can view in real-time and full color for the entire length of the vehicle. See it live with no delay. There is no waiting like with other systems and no need for an expensive control units. Full high definition color, even with vehicles moving up to 75 KMPH. The scanning camera are available from 500FPS up to 900FPS.

Sharp images provide the total picture

A high-resolution digital color camera give you clear, sharp images. Bright white, high-intensity Led-based lighting illuminates the vehicle's undercarriage so details aren't lost in shadows. With the full length light arrangement and specially designed camera angle the wheel wells and other under carriage details are easy to capture so there is no need to add any additional auxiliary cameras for hard to view areas.

Built rugged for long life

This heavy duty system comes with built in Scanner and Light arrangements. The weight bearing capacity for standard systems is 78-ton with an optional 110- ton version available upon request. Harsh environments, rugged terrain and extreme temperatures were taken in to consideration while designing this system. All CPAS systems are backed by a two year warranty with worldwide installation and support available.

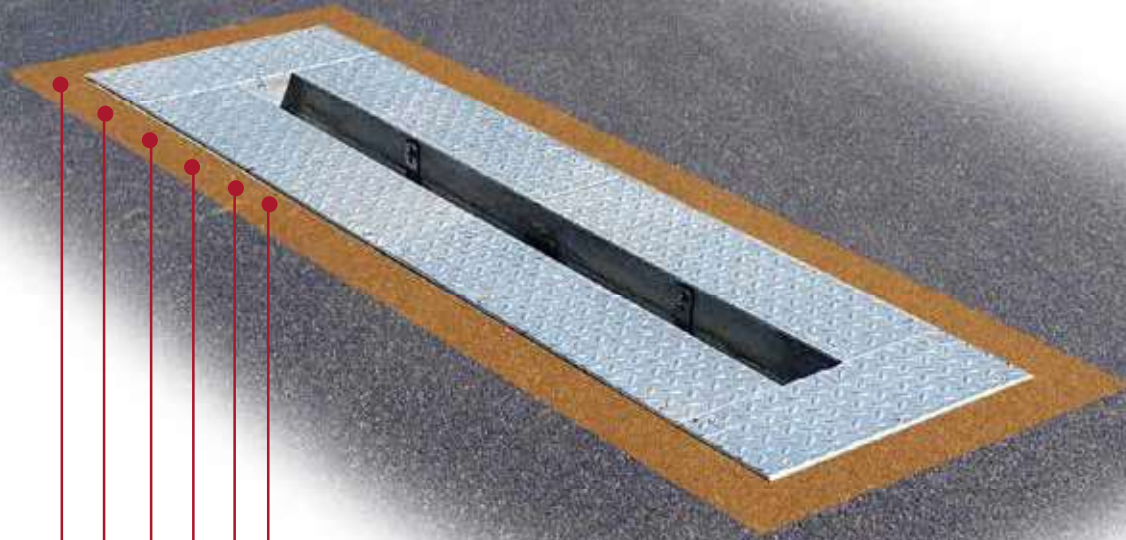


Features

- Color Area Scan Technology
- Capture images at speeds up to 75KMPH (45MPH)
- Handles load weights up to 78 tons (110 ton optional)
- Ultra-fast throughput for quicker analysis
- High resolution images up to full HD 1080p
- True mechanical day & night imaging (ICR) for driver images
- No limits on vehicle length
- Automatic number plate recognition / license plate reader
- All weather condition construction conforms to IP68
- Rust resistant diamond plate
- Scan images up to 900 FPS
- Built-in driver image / scene camera support
- Multiple lane support for central security head end
- Latest technology used for anomaly detection
- Two year standard warranty



CPAS-UVIS Flush Mounted System



- **Minimum Construction Required**
- **Handles load weights up to 110 tons**
- **IP68 rated for all weather conditions**
- **In-field replacement modules for maintenance and repairs**
- **High Resolution Color Area Scan Technology**
- **Structural steel with rust resistant diamond plate construction**



Security

Government assets are under constant threat from all kinds of sources: political, radical, protest, disruption and more. If governments stop running or if security fails, police are dispatched, guards are posted and real economic loss occurs. Comm Port provides flexible, scalable solutions that put the latest technology to work for you. Comm Port's UVIS/UVSS system delivers the mission-critical solutions required to ensure economic continuity and decreased risk from intrusion, vandalism and terrorism.



Cost Savings

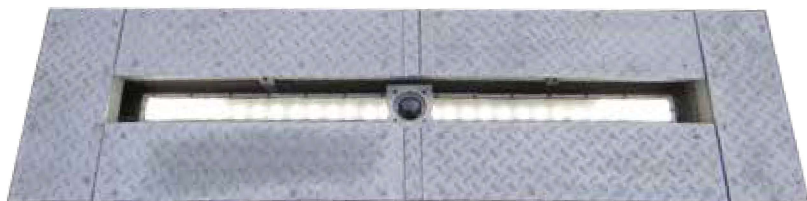
Your security budget can dwindle in a hurry because of changes to personnel or upgrades to equipment due to regulation changes. Comm Port integrates our broad portfolio of products — UVSS/UVIS systems, road barriers, license plate readers, and video management systems — to serve you efficiently and save you money. There are few investments more important for your site than its security, and Comm Port makes sure your investment is a smart one.



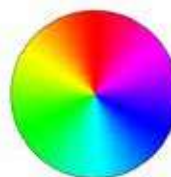
Productivity

Response time is a key component for any military or government security system. When the mission is critical, Comm Port security solutions, specifically our CPAS UVIS and UVSS series, meet the challenge with complete end-to-end site security. Whether you need an ultra-simple operator interface or multi-lane system, Comm Port security systems provide system operation with up-time of 99.99%

CPAS-UVIS Ordering Information



Flush mounted UVIS systems include computer hardware that supports image capture in full color or monochrome. Systems can be ordered to support frame rate capture in 500, 700, or 900FPS.



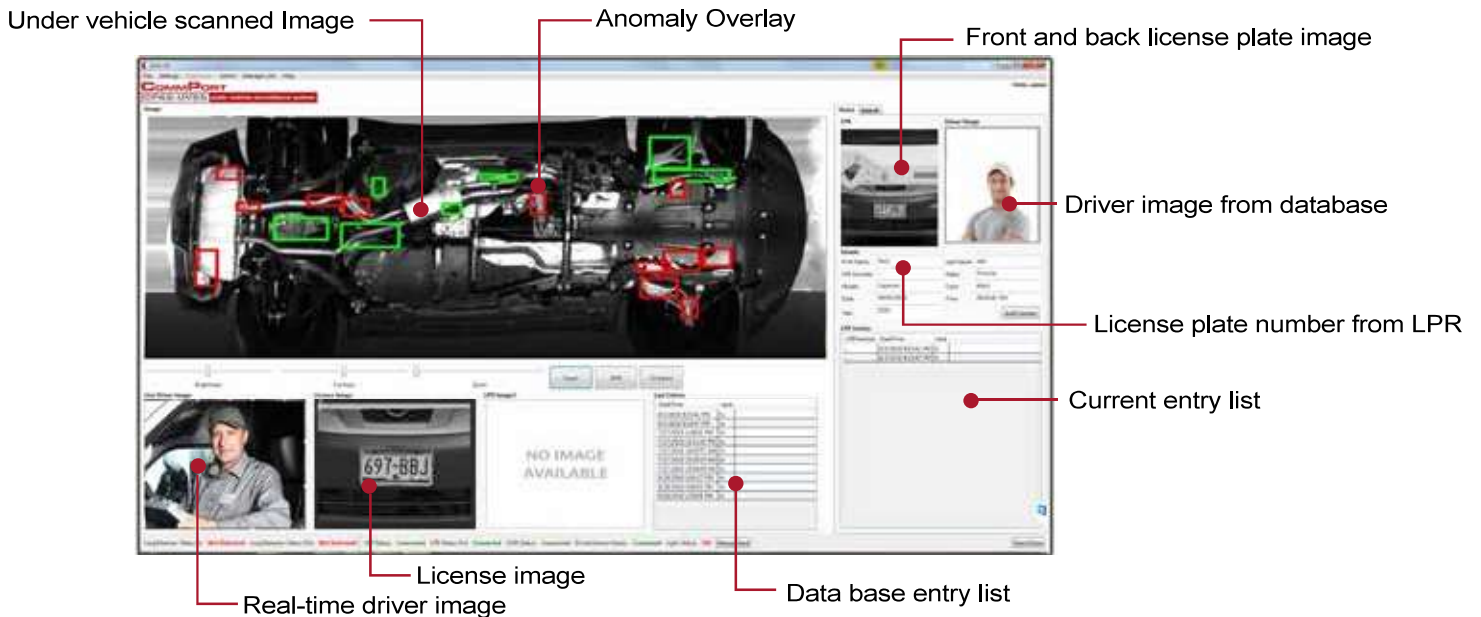
Available in color or monochrome

Model No	System Description	IMAGE TYPE	FRAME RATE	SPEED KMPH / (MPH)	WEIGHT CAPACITY (TONS)
CPAS - 2001	System Includes: UVIS Scanner Camera, LED Lighting Modules, Ground Loop, Ground Loop Controller, Data Acquisition Module, Power Supply, Cabling , System Housing with framing. System is capable of up to 500 FPS, System will handle up to 45 KMPH of Mono Chrome Composite Image.	B/W	500	45 (28)	78
CPAS-2101	System Includes: UVIS Scanner Camera, LED Lighting Modules, Ground Loop, Ground Loop Controller, Data Acquisition Module, Power Supply, Cabling , System Housing with framing. System is capable of up to 500 FPS, System will handle up to 45 KMPH of Color Composite Image	color	500	45 (28)	78
CPAS-3001	System Includes: UVIS Scanner Camera, LED Lighting Modules, Ground Loop, Ground Loop Controller, Data Acquisition Module, Power Supply, Cabling , System Housing with framing. System is capable of up to 700 FPS, System will handle up to 65 KMPH of Mono Chrome Composite Image.	B/W	700	65 (40)	78
CPAS-3101	System Includes: UVIS Scanner Camera, LED Lighting Modules, Ground Loop, Ground Loop Controller, Data Acquisition Module, Power Supply, Cabling , System Housing with framing. System is capable of up to 700 FPS, System will handle up to 65 KMPH of Color Composite Image	color	700	65 (40)	78
CPAS-4001	System Includes: UVIS Scanner Camera, LED Lighting Modules, Ground Loop, Ground Loop Controller, Data Acquisition Module, Power Supply, Cabling , System Housing with framing. System is capable of up to 900 FPS, System will handle up to 75 KMPH of Mono Chrome Composite Image	B/W	900	75 (49)	78
CPAS-4101	System Includes: UVIS Scanner Camera, LED Lighting Modules, Ground Loop, Ground Loop Controller, Data Acquisition Module, Power Supply, Cabling , System Housing with framing. System is capable of up to 900 FPS, System will handle up to 75 KMPH of Color Composite Image	color	900	75 (49)	78

Optional 110 ton weight capacity available.

CPAS Software

real time capture, database management and anomaly detection



CPAS Software Screen Display Options

Preview vehicle undercarriage in full color, inversed image, or monochrome with a simple button selection



CPAS Preview
Anomaly Detection



CPAS Preview
Color Image



CPAS Preview
Inverse Image



CPAS Preview
Monochrome Image

SOFTWARE

Comm Port's ADCM software utilizes the latest technology for computer vision and includes a full amalgamation of image properties that include statistical, algebraic, geometric, spatial, differential and spectral information about a scanned image.

Key Features

- Proprietary pattern recognition algorithms
- Proprietary image registration
- Advanced analyzation of two or more images simultaneously
- Identification of material differences
- Utilization of complex multiple step image normalization
- Rigid registration or non-rigid registration
- Comparison of partial dissimilarities
- Comparison of substantial differences
- Stable under video noise
- Stable under invariant lighting
- Stable under invariant contrast
- Stable under invariant brightness
- Non-linear image enhancement