



- Under Vehicle Surveillance Systems
- License Plate Recognition
- Explosion Detection
- Driver imaging
- Database management
- Anomaly detection

Go with heavy-duty performance



Comm Port Technologies is a U.S. manufacture of security and safety components specializing in Under Vehicle Inspection Systems (UVIS) and Under Vehicle Surveillance Systems (UVSS). Our proven track record of UVIS/UVSS technology, excellent support - as well as our full-featured software and hardware - has enabled Comm Port to become the worldwide de-facto standard for dependable and reliant surveillance systems in the areas of Security and Surveillance. We manufacture products of the highest quality, at affordable prices and with extensive service and support resulting in Comm Port products being deployed in security environments of all types and sizes. The Comm Port management and technical team encompasses a diverse group of industry veterans with over three decades of global experience.

Comm Port provides consultative and needs assessment, a wide selection of equipment options, and worldwide coverage for installation and configuration. Our staff possesses expertise across a spectrum of disciplines including: project management, networking, systems engineering, installation, testing, and maintenance.

The Company maintains technological expertise through rigorous proactive training and certification programs. Whether you are protecting your workplace from terrorism, loss prevention, sabotage, or integrated physical security solutions Comm Port has the right solutions.

Comm Port has a global presence for sales and support with locations in over 20 countries.

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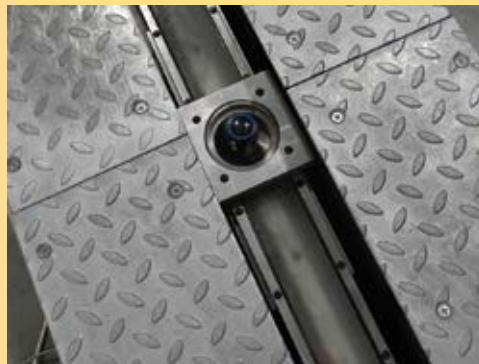




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choose the
system
that meets your needs





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

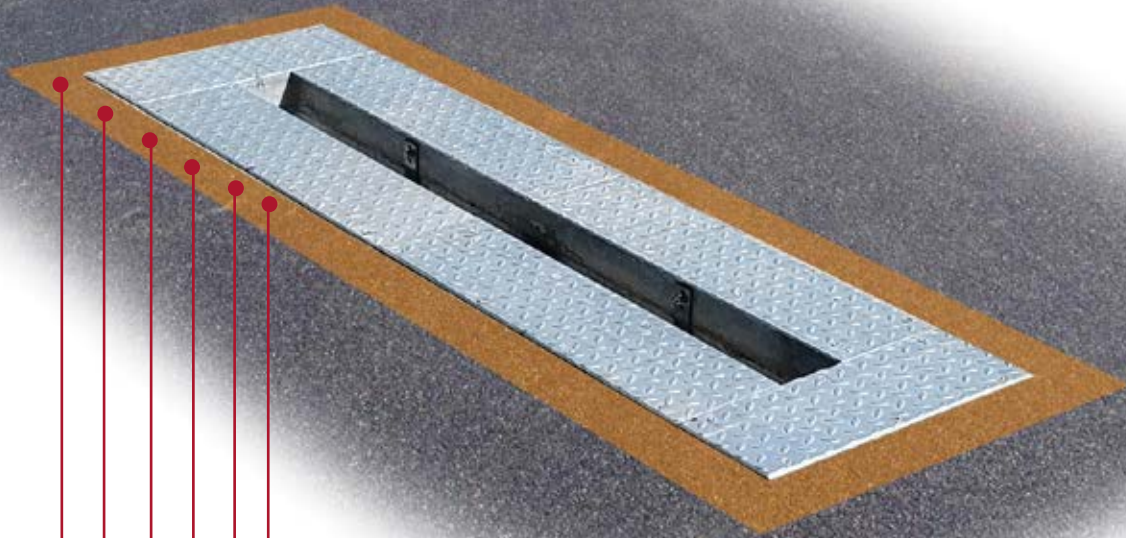
This heavy duty system comes with built in Scanner and Light arrangements. The weight bearing capacity for standard systems is 78-ton with an optional 110- ton version available upon request. Harsh environments, rugged terrain and extreme temperatures were taken in to consideration while designing this 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

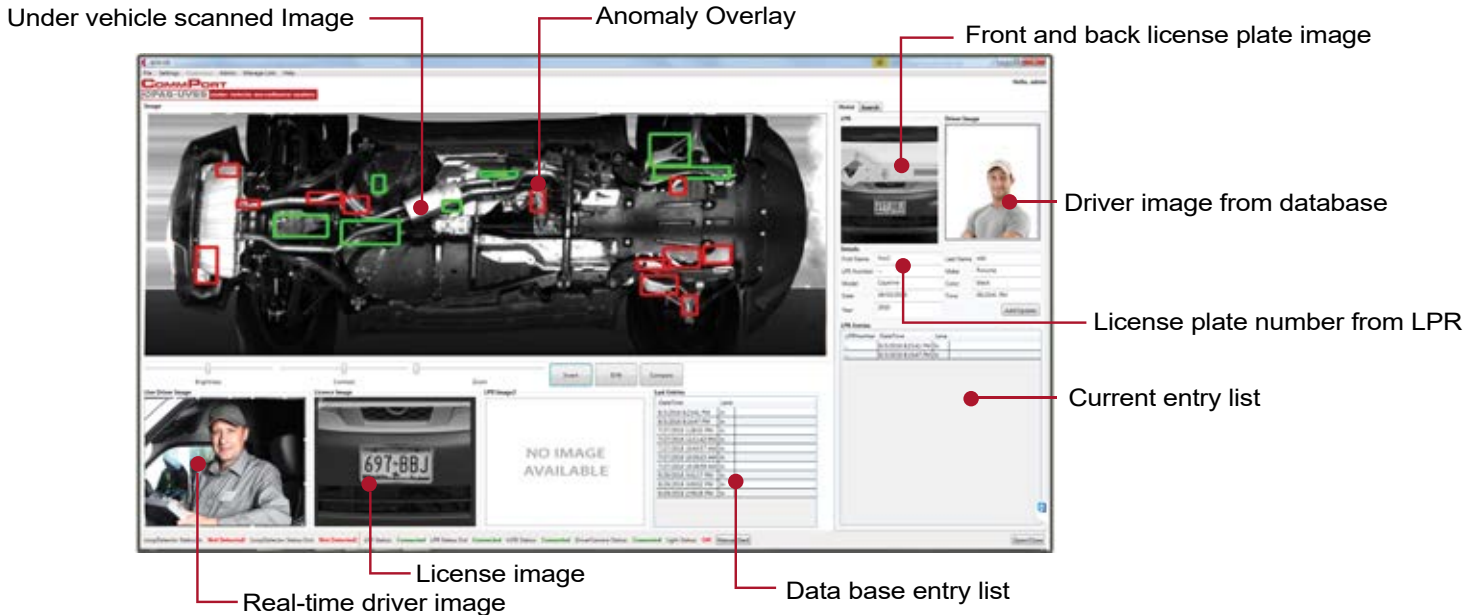
Model No	System Description	IMAGE TYPE	FRAME RATE	SPEED KMPH / (MPH)	WEIGHT CAPACITY (TONS)
CPAS - 2001	System Includes: UVIS Scanner Camera, LED Lighting Modules, Ground Loop, Ground Loop Controller, Data Acquisition Module, Power Supply, Cabling , System Housing with framing. System is capable of up 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

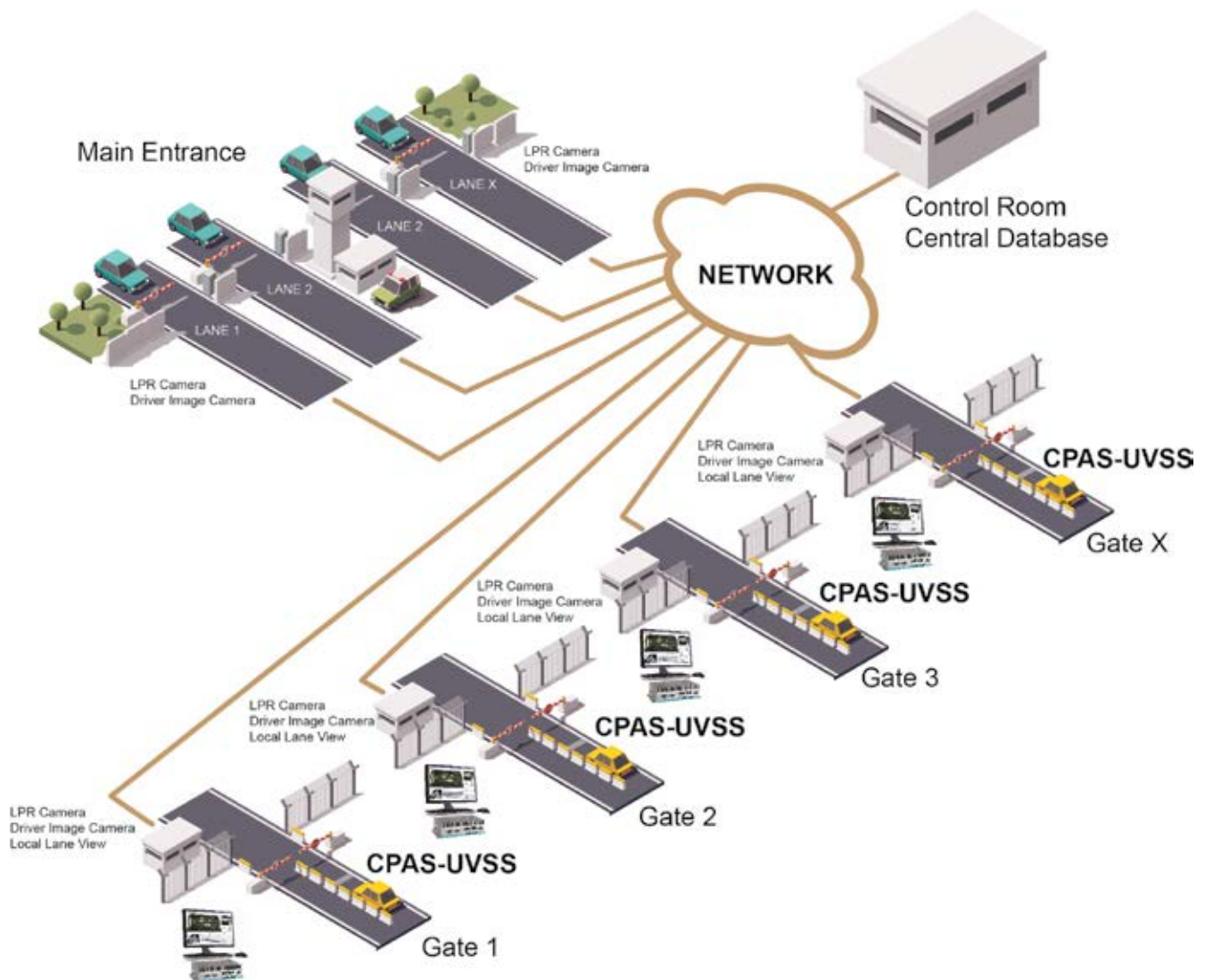
CPAS ML/MG Network Multi-lane System

manage multiple entrances and gates under one control system

For advanced UVSS systems where multiple gates and traffic lanes must be monitored and tracked from a centralized location, the CPAS ML/MG is the perfect package. It provides all the necessary software and hardware supporting N+1 CPAS systems under one centralized common database. The user interface is incredibly intuitive and simple to use and provides the highest resolution images of any UVSS system today. The CPAS ML/MG is very versatile and can be setup and operational with minimum training. The CPAS ML/MG is designed for use at Airports, Seaports, Custom Checkpoints, Military bases, Embassies, Hotels, and Water & Energy plants.

One of the many competitive advantages of the CPAS ML/MG is the network intelligence which is very useful for centralized viewing and traffic monitoring from a main operational center. The package is designed to tighten security measures with multiple entrances and exits, share database information, and enhance the overall command and control of the facilities security process.

- Multiple gate and multiple lane networked system for centralized UVSS management
- View all gates and entrances on one screen at a central command post
- Track entry and exit of all traffic through a centralized database
- Supports CPAS systems with multiple LPR and Driver Image Cameras



Real-time
Viewing
with advanced imaging





FLEX under vehicle surveillance systems

Our FLEX series of UVSS solutions are designed to scan, monitor, and digitally record crisp, clear digital video of a vehicle's underside—all with one system.

Advanced imaging and LED illumination provide clear, high-resolution video of the vehicle's underside to help detect attached packages, explosives, and other objects. For monitoring, the video is processed by a digital video recording system capable of recording and displaying simultaneous moving or static video. The system delivers undercarriage video for a fraction of the cost of less capable systems.

Unmatched integration flexibility

Each FLEX UVSS gives you total flexibility in integrating with your security system. The open architecture means you can connect to your existing CCTV system, can transmit your video over IP, fiber optics, coax, or wireless, and can integrate with Automatic License Plate Recognition and driver image-capture cameras. The 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 FLEX system, you can view in real-time and full color the undercarriage of the vehicle. See it live with no delay. There is no waiting like with line-scan systems and no need for an expensive image-processing computer. And it's just as easy to store video on a DVR to keep a high-resolution record of all vehicles.

Sharp video provide the total picture

High-resolution color cameras give you clear, sharp video. Bright white, high-intensity LED-based lighting illuminates the vehicle's undercarriage so details aren't lost in shadows. And with the ability to place cameras along the length of the ramp, wheel wells and other details are easy to capture. Focal length, field of view, and angle of the camera simulate a person in a pit viewing vehicles passing over. There is no IR light provided to confuse the security personnel from switching to a black and white image from a color image.

Features

- Designed for rugged terrain, harsh environment, extreme temperature
- Waterproof camera and lights
- ANPR (Automatic License Plate Recognition) compatible
- Driver image camera compatible
- Open architectures for easy integration with existing CCTV system
- Video can be transmitted on IP, wireless, fiber optics, or standard coax
- Standalone DVR or PC-based recording system
- Standard systems come with flat panel LCD display
- Above-surface camera/lighting mounting: no major construction required
- High-resolution long-life color vision system
- LEDs provide bright white, high-intensity light, providing daytime simulation light for undercarriage illumination
- LEDs are rated for 100,000 operating hours
- Easy, hose-down cleaning of camera and LEDs
- All cabling and power accessories are standard with all systems
- Permanent or portable solution
- All steel ramp with 78-ton or 110-ton optional capacity for heavy-duty performance
- Unconditional factory warranty on parts and labor
- Extended warranties available
- Lowest cost and highest flexibility
- Integrated LED/camera modules
- Ramp can be expanded or reduced in size by 1 foot segments for field customization.
- Each ramp expansion section can be configured with or without camera
- Scratch proof protective camera lens

FLEX under vehicle surveillance systems

Modular components allow expansion from two to eight segments



Right side modular end plate



Left side modular end plate



Center ramp module allows cameras to be mounted front and back



Rugged camera modules have high-intensity bright-white LEDs

All systems come with 110/220V power supplies, connection peripherals and are set for ready-to-use.

add the follow descriptor at the end of each part number for camera type:

- P for PAL
- N for NTSC

Flex Series 3000



Model Number	Cameras	Camera Configuration	Width mm (in/ft)	Weight kg (lb)	Main Sections	End Sections
UVSS-3300	3	Front or Back*	1374 (54.1/4.51)	60.86 (133.89)	3	2
UVSS-3331	6 (3+3)	Front / Back			3	2

*All cameras face the same direction, either forward toward on-coming vehicles or backward as vehicles have passed over the ramp.

Flex Series 4000



Model Number	Cameras	Camera Configuration	Width mm (in/ft)	Weight kg (lb)	Main Sections	End Sections
UVSS-4400	4	Front or Back*	1674 (65.88/5.49)	75.40 (133.89)	4	2
UVSS-4441	8 (4+4)	Front / Back			4	2

*All cameras face the same direction, either forward toward on-coming vehicles or backward as vehicles have passed over the ramp.

Flex Series 5000



Model Number	Cameras	Camera Configuration	Width mm (in/ft)	Weight kg (lb)	Main Sections	End Sections
UVSS-5300	3	Front or Back*	1974 (77.72/6.48)	89.94 (197.87)	5	2
UVSS-5331	6 (3+3)	Front/Back			5	2
UVSS-5500	5	Front or Back*			5	2
UVSS-5551	10 (5+5)	Front/Back			5	2

*All cameras face the same direction, either forward toward on-coming vehicles or backward as vehicles have passed over the ramp.

FLEX under vehicle surveillance systems

Flex Series 6000



Model Number	Cameras	Camera Configuration	Width mm (in/ft)	Weight kg (lb)	Main Sections	End Sections
UVSS-6400	4	Front or Back*	2274 (89.5/7.46)	104.48 (229.86)	6	2
UVSS-6441	8 (4+4)	Front/Back			6	2
UVSS-6600	6	Front or Back*			6	2
UVSS-6661	12 (6+6)	Front/Back			6	2

*All cameras face the same direction, either forward toward on-coming vehicles or backward as vehicles have passed over the ramp.

Flex Series 7000



Model Number	Cameras	Camera Configuration	Width mm (in/ft)	Weight kg (lb)	Main Sections	End Sections
UVSS-7300	3	Front or Back*	2574 (101.3/8.44)	119 (261.84)	7	2
UVSS-7331	6 (3+3)	Front/Back			7	2
UVSS-7500	5	Front or Back*			7	2
UVSS-7700	7	Front or Back*			7	2

*All cameras face the same direction, either forward toward on-coming vehicles or backward as vehicles have passed over the ramp.

Flex Series 8000



Model Number	Cameras	Camera Configuration	Width mm (in/ft)	Weight kg (lb)	Main Sections	End Sections
UVSS-8400	4	Front or Back*	2874 (113.1/9.43)	133 (293.83)	8	2
UVSS-8441	8 (4+4)	Front/Back			8	2
UVSS-8600	6	Front or Back*			8	2
UVSS-8861	12 (6+6)	Front/Back			8	2
UVSS-8800	8	Front or Back*			8	2
UVSS-8881	16	Front/Back			8	2

*All cameras face the same direction, either forward toward on-coming vehicles or backward as vehicles have passed over the ramp.



Light intensity works in total darkness for crystal clear video capture.



All systems come with 110/220V power supplies, connection peripherals and are set for ready-to-use.

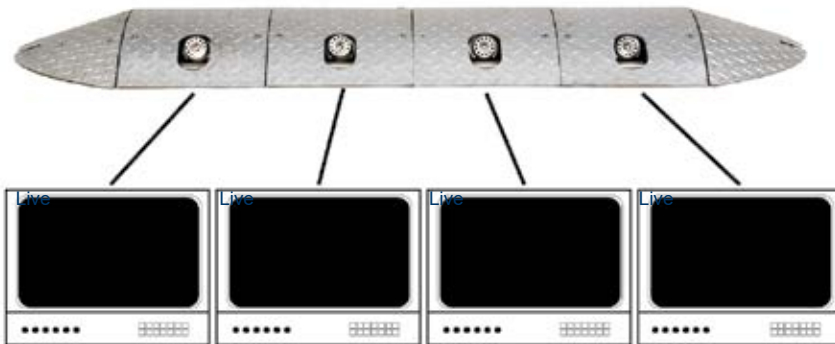
add the follow descriptor at the end of each part number for camera type:

- P for PAL

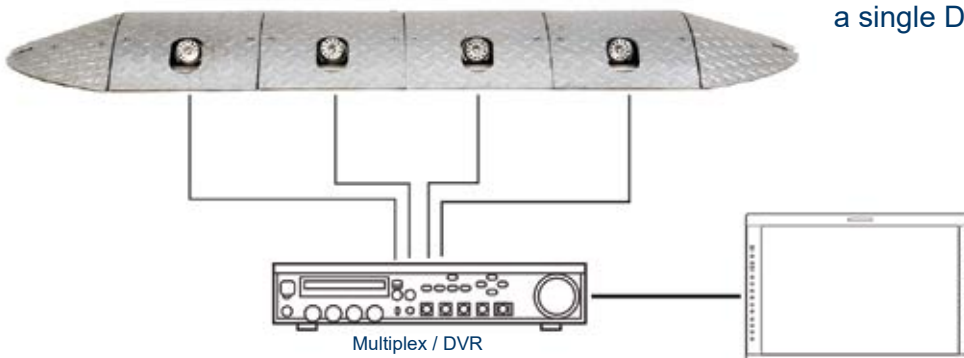
- N for NTSC

FLEX under vehicle surveillance systems

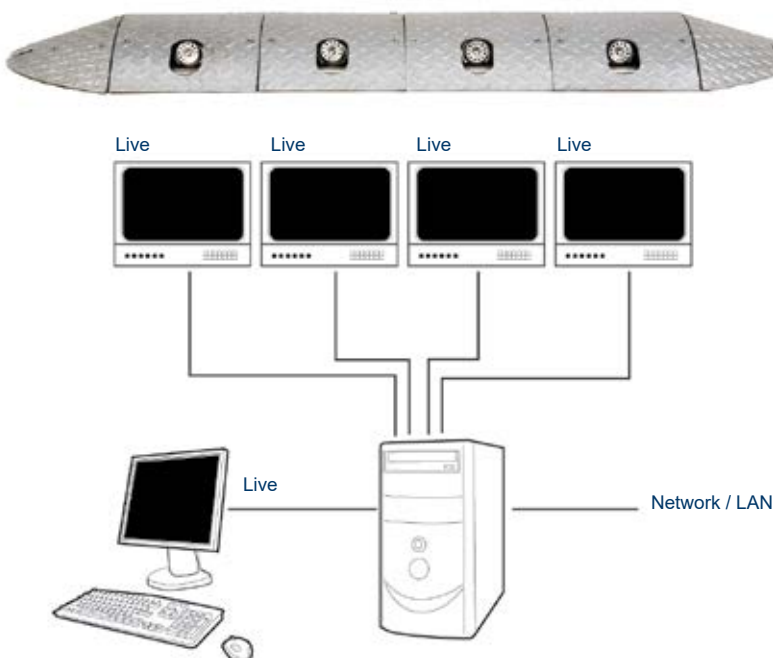
Typical Configurations for FLEX Systems



The UVSS can be as simple as a camera connected directly to monitors for live monitoring.



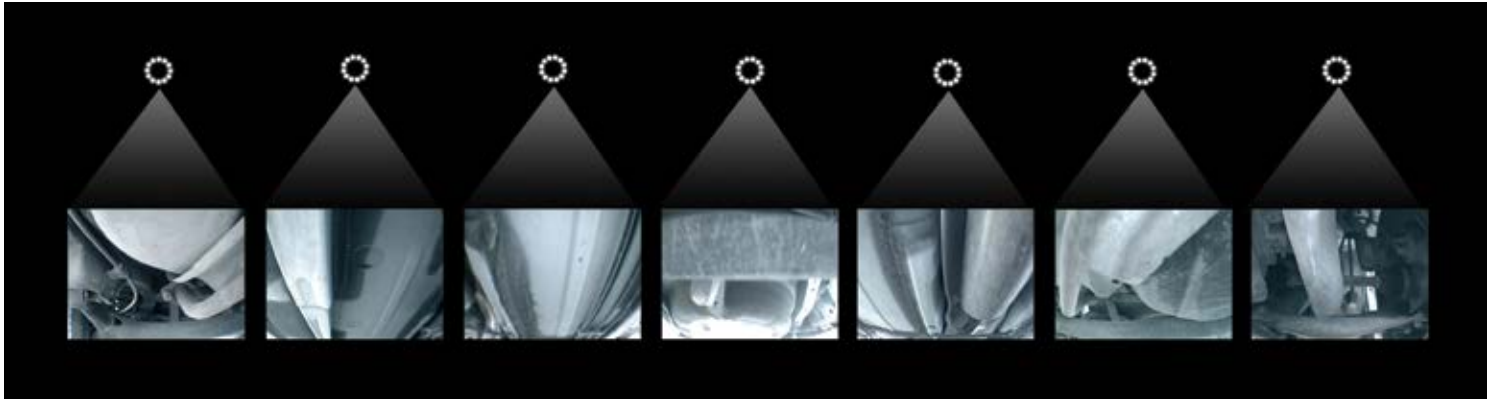
Four cameras can be multiplexed to a single DVR and monitor.



Live monitoring and PC-based recording/monitoring can be combined, which also makes it easy to network the security system.



FLEX under vehicle surveillance systems



The bright LEDs allow the UVSS to be used in the dead of night without any additional lighting.

Made to perform under extreme conditions

The heavy-duty, low-profile galvanized steel ramps are rated at 78-ton or as an optional 110-ton capacity; all designed to withstand harsh environments, rugged terrain, and extreme temperatures. Likewise, cameras and lighting are encased in sturdy, weatherproof housings. LEDs offer the most reliable, low-heat light source available, with a typical life of over 100,000 hours. LEDs are preferred over halogen lamps because of their significantly longer life and lower heat generation.

Cameras feature a tough, scratch-proof sapphire lens

Since there are no areas for water to gather, there are no special drainage requirements or special cleaning equipment required. Each system is backed with a manufacturer's unconditional no-questions-asked warranty.

Permanent and portable systems available

The portable version is installed by just laying the ramp in the inspection areas with some traffic cones around it. It comes with a galvanized cable protector to cover and protect the cables that go to the portable monitoring station.

Permanent versions can be field-installed by one person in less than one hour. There are no pits to dig and no major construction required.



Rugged camera modules have high-intensity bright white LEDs built in.



Modular components allow expansion from two to eight segments to fit any needs

FLEX-HH-300

Portable Hand-held under vehicle inspection camera



When you need to deploy and maintain immediate perimeter security

Comm Port's FLEX-HH-300 handheld under vehicle surveillance camera kit has been designed as a light weight, low power, portable system for simple setup and operations. The kit is perfect for perimeter security, observation posts, dead space monitoring, patrol line monitoring, border crossings, vehicle entry points or tactical operations entry points for military bases and other remote areas where threat detection and management are required.

The FLEX-HH-300 is a self-contained, lightweight pole camera for inspecting hard to reach or dangerous areas for potential security hazards or breaches. The kit includes two types of cameras – one which is mounted on a dolly for easy access to the belly side of vehicles and one which is a flexible pole camera for examining hard to reach areas like above high vehicles, drop-ceilings, small cavities or pipe openings, corner views or behind immovable objects.

Compact ruggedized aluminum case for immediate deployment

Features

- Ultra-portable under vehicle surveillance kit with HD Display
- Dolly camera: 2.5 Megapixel with LED lights
- Flex pole camera: 3.0 Megapixel with LED lights
- 7" HD LCD display with removable sunshade
- LEMO HDMI connections for secure cable attachment
- Integrated brightness adjustment on LCD
- Supports HDMI video output
- Supports H.264 Video compression
- Supports up to 64Gb SD storage card for real-time video and image capture
- 2 meter telescopic extension pole with locking grips and LCD mounting cradle
- Ruggedized aluminum carrying case for quick deployment
- Dolly comes with durable omni-directional wheels with wear-resistant tires
- Rechargeable lithium battery provides up to 10 hours of continuous operations

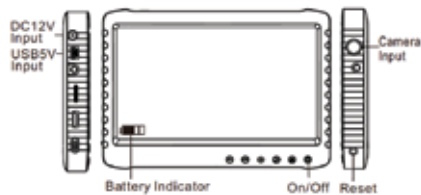
FLEX-HH-300

Portable Hand-held under vehicle inspection camera

The primary under vehicle configuration is based on a wheeled dolly design using 360 degree all terrain wheels with wear-resistant tires. This allows easy mobility to search the full underside of a vehicle on any road condition. Attached to the dolly base is a telescopic pole that can extend up to 2 meters (6.5ft) for full under vehicle access. A 2.5 megapixel high definition portable camera is mounted on the dolly base. The 7" HD Color LCD screen provides live feed with full 1080p resolution. The ruggedized battery powered LCD provides up to 10 hours of work time, includes support for up to a 64Gb SD storage card and includes a one-button sunshade for outdoor use. The LCD brightness can be adjusted with side panel buttons. A LEMO HDMI connector is utilized between the camera and display to insure secure cable connections.

In addition to being an excellent hand-held under vehicle camera, the FLEX-HH-300 kit also comes with a flexible goose-neck attachment with a compact 3.0 megapixel camera. This allows the FLEX-HH-300 to be used for inspecting areas like attics, small pipes, or behind objects that cannot be moved. The goose-neck attaches to the telescopic pole and the HDMI cable connects to the HD Color LCD providing clear ultra-high resolution images. An illuminated light source is included on the camera for low light areas.

The complete FLEX-HH-300 package is housed in a compact, ruggedized aluminum case for easy transport. Weighing only 6 kg (13.5lbs), the case provides foam structure cavities to keep all the components safely packaged during transit. As an ultra-portable and ultra-touch package, the system sets up in under 2 minutes and can stand up to practically any environmental conditions



HD LCD Display



Ruggedized Case



Dolly Camera Setup



Flexible Pole Setup

Specifications subject to change without notice

LPR license plate recognition

Comm Port's security and surveillance systems are designed to keep a 24-hour watch on property, provide for recorded forensic data, monitor activities in real time, and provide statistical data to security personnel for quick and accurate decision making. An important benefit of our security and surveillance system is the ability to capture license plate images while simultaneously doing an alpha-numeric conversion of the captured plates. From identifying known vehicles and their owners at security gates, to stolen vehicle identification in parking lots, the Comm Port license plate recognition (LPR) system can improve the safety and security of private or public facilities.

The Comm Port LPR system enables the capture and recognition of a vehicle's number plate for data base capture and analysis. The LPR technology is based on the latest OCR image processing that takes video images and transmits it to a LPR unit processor. These systems are an effective and low-maintenance solution that is perfect for monitoring parking lots prone to crimes due to isolated and unstaffed areas. The Comm Port LPR systems automate license plate reading making it easier for law enforcement, military, defense and commercial organizations to locate vehicles of interest and enforce vehicle entrance and exits to secure areas. The LPR system detects and recognizes vehicle license plates upon motion or I/O triggers



Comm Port LPR camera



Comm Port Driver Image Camera

Intelligent Vehicle Management Platform

The Comm Port Intelligent Vehicle Management Platform is a comprehensive vehicle recognition software solution, transforming vehicle and license plate data into valuable information for a quick, effective decision making. The system helps a wide range of organizations monitor and respond to vehicle movement for efficient day-to-day operations. Security personnel can strategically analyze, identify and assess in real time as well as retrospect through forensic analysis.

The software provides robust activity reporting, and commands a powerful event and alarm engine for instantaneous exception notification. The system installs, configures and administers Vehicle Recognition Imaging Units and monitors device health.

The software identifies, analyzes and reports on vehicle data captured and is tracked by the imaging units. The heart of the solution is its proprietary intelligence engine, which powers functionality with distinct user advantages— instantly recognizing targeted vehicles of interest and drawing essential insights by analyzing license plate data, vehicle characteristics, movement, time and location

LPR Cameras

Comm Ports LPR cameras are IP based with customized illumination for optimum LPR performance in low light and all weather conditions. The imaging units provide precise efficiency in LOW SPEED and HIGH SPEED use cases such as access control, parking and security, border crossings, and safe city enforcement.

Lane Controllers

Multiple lane control options are available for the LPR, for use in control rooms, parking facilities, access control points, border crossings and toll plazas. A compact version is available which is geared toward smaller sites with only one or two lanes.

Our commitment to you

We recognize our clients have a choice when it comes to their UVSS/UVIS options. That's why our roadmap to success is based on putting our clients first – whether it's a basic UVSS hardware and software system or a full service installation and servicing contract for a multi-lane system. We are committed to delivering high-quality products and services to our customers and continuously strives to provide state-of-the-art high performance Under Vehicle Surveillance Systems, License Plate Readers and Driver Image Capture components.

For more than 15 years we have been focused on providing you with the best products and value possible. We continue to stake our reputation on it. A lot can change over the years, but one thing hasn't; our commitment to providing you the best performing products in the industry. We want to be your one stop source for all things related to UVSS/UVIS systems. What is important to you is the same for us – to provide the right products at the right time to perform without fail. Our 100% quality inspection and testing criteria ensures these expectations will be met for every system shipped.



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