

# FLEX under vehicle surveillance systems

## choose the **system** that meets your needs

If your premise is worth securing, it's worth looking into Comm Port's FLEX series of under vehicle surveillance and inspection solutions. Our FLEX series of UVSS and UVIS solutions are designed to scan, monitor, and digitally record crisp, clear digital video images and videos of the entire width of a vehicle's undersides—all with one system.

Careful integration of components makes Comm Port systems a cost-effective and convenient solution for checking passenger vehicles, vans, buses, semi-tractor trucks and trailers, and more. It's an ideal solution for governmental, military, corporate, and transportation facilities—wherever complete vehicle monitoring is required.

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, images are processed by a digital video recording system capable of recording and displaying simultaneously moving or static images. The system delivers the full picture of the vehicle's undercarriage (no matter how long the vehicle) 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 UVSS, you can view in real-time and full color for the entire length of the vehicle. There is no waiting like with line-scan systems and no need for an expensive image-processing computer. See it live with no delay. And it's just as easy to store images on a DVR to keep a high-resolution record of all vehicles.



### **Sharp images provide the total picture**

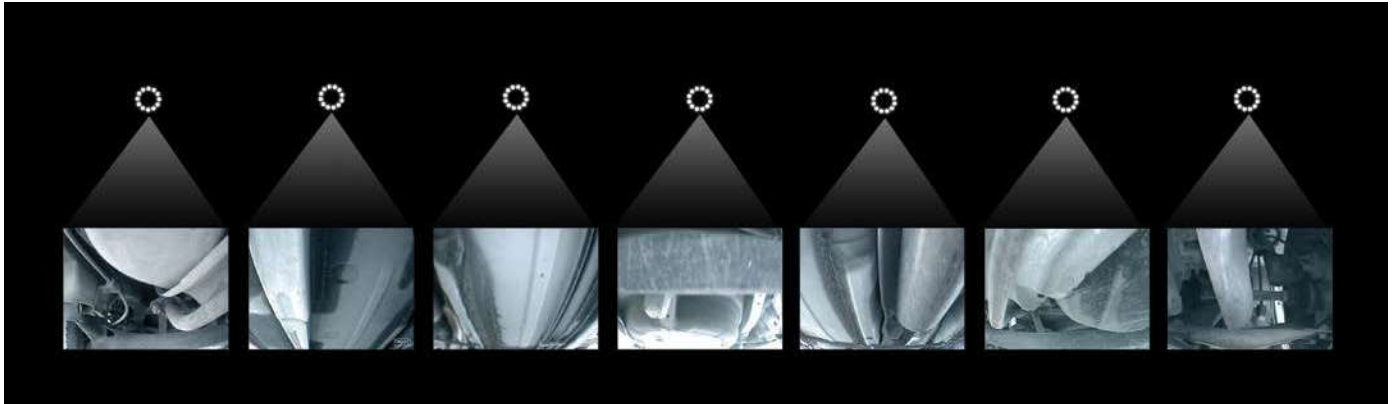
High-resolution color cameras give you clear, sharp images. Bright white, high-intensity LED-based lighting illuminates the vehicle's undercarriage so details aren't lost in shadows. And with the ability to place cameras anywhere along the length of the ramp, wheel wells and other details are easy to 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.



### **Built rugged for long life**

The heavy-duty, low-profile galvanized steel ramps have a 48-ton capacity and are 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.

# FLEX under vehicle surveillance systems



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

## 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.



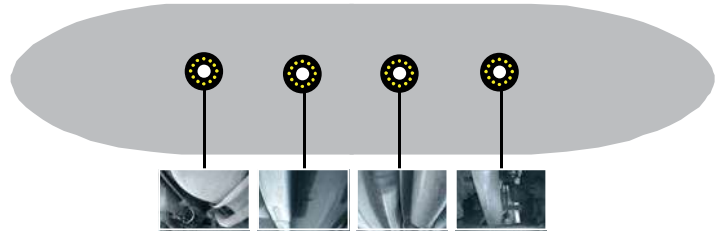
Modular components allow expansion from two to eight segments to fit any needs

# FLEX under vehicle surveillance systems

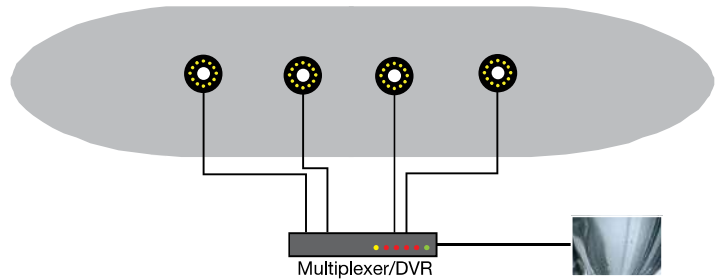
## Typical configurations

The flexibility of the UVSS allows it to be configured to meet your security inspection needs and your budget.

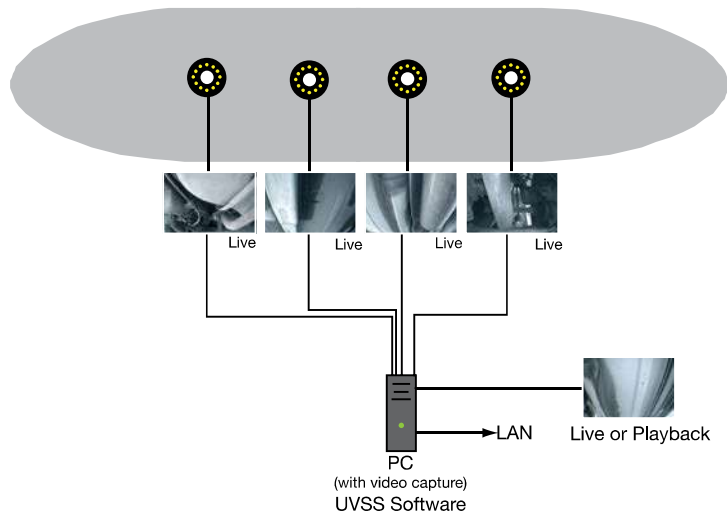
The UVSS can be as simple as a camera connected directly to monitors for live monitoring.



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

## Accessories

We can supply complete systems, including UVSS ramp, DVR for multichannel recording, LCD flat-panel monitors, video multiplexer, software, and all necessary connecting cables and related hardware.

We also offer comprehensive services to help you integrate the UVSS into your building or enterprise security system.

## Spare Parts

Part Number	Description	Weight	
		kg	lb
RAMP-1	Expansion Section without Camera		
	1-foot wide, includes top cover plate	14.54	31.99
END - 1	End Section		
	Includes top cover plates	8.62	18.96
CAM - 1F	Spare Camera		
	Without Housing and LEDs	-	-
HSG - 1F	Camera Housing with LEDs	-	-
CAB-100F	100-Foot Communication Cable		
	Includes in 5 video mini coaxial cable and two twisted-pair cables for power	16	35.20
PWR -U	Universal Power Supply		
	110 / 220 V input	1	2.20
JCT - 1F	Junction Box		
	For inside ramp for connecting ramp cameras, power and video, includes circuit board	0.5	1.1
JCT - 2F	Junction Box		
	For monitor end for connection of power supply, cables coming from the ramp and BNC connections to monitors. Includes circuit board and up to 4 BNC connectors preassembled	0.5	1.1
LENS -1F	Spare Sapphire Crystal Lens		

# FLEX under vehicle surveillance systems

## System Information

We can supply complete systems:

- UVSS ramp
- DVR for multichannel recording
- LCD flat-panel monitors
- Video multiplexer
- UVSS software
- Cable assemblies and related hardware

We also offer comprehensive services to help you integrate the UVSS into your building or enterprise security system.

The following pages show typical UVSS configurations and supply specifications.

## 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.

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

## 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.

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