

TECHNICAL

Product Datasheet

GROUND FIXED UNDER VEHICLE SURVEILLANCE

Inspection System



The GD-UVSS-HWX is a ground fixed under vehicle surveillance inspection system to identify threats located in a vehicle's underbelly or modifications done to a vehicle's underbelly to conceal a threat. The GD-UVSS-HWX compiles high-resolution images in black and white or color that enable the security operator to accurately differentiate between threat types, such as; contraband, stowaways, or modifications.

GD-UVSS-HWX

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Ground Fixed Under Vehicle Surveillance Inspection System

The GD-UVSS-HWX inspection system is composed of multiple default parts; the weatherproof (IP68) scanning unit with seismic installation protection and covers including an automatic high resolution 10 MPx CCD line scan cameras, and 4 LED illuminators, a communication distribution box, a management console containing a workstation, screen, and the monitoring and threat identification software. As well as a few optional additions, such as driver face capture camera or a license plate recognition camera supporting license plates from over 80 countries.

The GD-UVSS-HWX is recommended to work with a ramp and barrier to slow down vehicles to be scanned however vehicles do not need to stop as the inspection system adapts to various speeds and supports vehicles passing at speeds of up to 35 MPH (55 Km/h) with a response time of less than 1 to 2 seconds at maximum speed.

The GD-UVSS-HWX software supports monitoring, recording, playback, search, and compare functions as well as image zooming, stretching, and cutting, images and videos are automatically stored on the workstation with a 100,000 image / video capacity operating on a FIFO basis.

UNDER VEHICLE SURVEILLANCE SPECIFICATIONS

Inspection System

Camera Type	CCD Line Scan Camera
Camera Resolution	5,000 x 2,048 Pixel (10 MPx)
Image Color	Black and White for GD-UVSS-HW1 Color for GD-UVSS-HW2
Camera Scanning Rate	18 KHz
Illumination	4 x Compressed LEDs
LED MTBF	< 50,000 Hours
Distribution Box I/O	2 Input Channels, 1 Output
Distribution Box Interface	RS485 Serial Port
Optional Items	Driver Face Capture Camera License Plate Recognition Camera Uninterruptable Backup Power Supply

Electrical

Operating Voltage	110 to 240 VAC, 50 / 60 Hz
Power Consumption	300 Watt

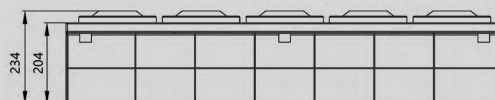
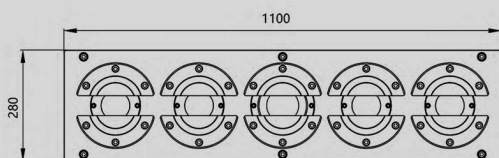
Mechanical

Frame Material	Stainless Steel
Frame Dimensions	43.3 (L) x 11.02 (W) x 9.21 (H) Inches (1100 x 280 x 234 mm)
Frame Load Bearing	100,000 Lbs. (50 US Tons)
Ingress Protection	NEMA 6P (IP68)
Weight	418.78 Lbs. (190 Kgs)
Operating Temperature	-4 to 149 °F (-20 to +65 °C)
Operating Humidity	10 % to 90 % (non-condensing)

Regulatory Compliance

Meets US FCC Regulations
Meets International CE Regulations and Standards

DETECTOR DIMENSIONS



Note: The above pictures and parameters for reference only, the actual product may differ slightly.

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ORDERING INFORMATION

GD-UVSS-HW1	Ground Fixed Under Vehicle Surveillance Inspection System with Black and White Line Scan Camera
GD-UVSS-HW2	Ground Fixed Under Vehicle Surveillance Inspection System with Color Line Scan Camera
GD-UVSS-DFC	Automatic Driver Face Capture Camera
GD-UVSS-ALPR	Automatic Vehicle License Plate Number Recognition Camera
GD-UVSS-BB	Uninterruptable Backup Battery Power Supply



Guardex Safety

Guardex inspection system meet international regulatory requirements safety. Guardex inspection system have undergone safety research to confirm that have no adverse effect and pose no harm to the human body, children, pregnancy or medical devices such as heart pacemakers. However, advice by doctors and medical professionals should be followed regardless of the above when it comes to inspection system.

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Guardex warrants all its products against any and all manufacturing defects from the date of product delivery from the factory and/or distribution center. Guardex Lmted series has a warranty of 3 years

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