



UVDM110-ASC Surface Mount Area Scan Under Vehicle Scanning System

Product Introduction:

UVDM110-ASC surface mount under vehicle scanning system is composed of Under Vehicle Scanner, License Plate Recognition Camera, Server, Speed Ramp and so on. Installation of surface mount system don't needs to dig into the ground, and total height after installation is less than 7 cm, which will not affect vehicle drive through.

UVDM110-ASC can effectively scan and inspect the chassis of vehicles to search and analyze for 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.

Except chassis, the LPR Camera and optional Surrounding Cameras in the system can capture video clips of vehicle in different direction, provide all-round surveillance.

Area Scan System Introduction:

UVDM110-ASC is an Area Scan Under Vehicle Scanning System, which can generate area scan image with low distortion..

Area scan technology guarantee low distortion and consistent images for same vehicle, and make it possible for further AI algorithm.

Advantages:

- Area scan scanner, generate area scan low distortion image.
- High resolution imaging, output 4096P color images.
- Real time imaging, scanned parts of chassis will show up on display in real time.
- Support vehicles with different height of chassis, no limitation for vehicle length.
- Embedded bi-directional triggers, support bi-directional scan.
- Bi-directional LPR function can capture and recognize both front and rear license plate.
- Built rugged with stainless steel, designed to withstand harsh environments.
- Provides all kinds of ISP functions, such as Brightness adjust, Saturation, Color Balance etc.
- Support high vehicle speed, up to 80km/h.
- Modular design, repair system by replacing with spare parts within 10 minutes.
- Ultra slim design, no needs to dig into ground.

Specification:

Under Vehicle Scanner	
Area scan speed	Forward: 0 – 80 km/h, Backward: 0 – 25 km/h
Height limit	80 – 2000 mm
Width limit	< 4500 mm
Length limit	No limit
View angle	> 180°
Resolution	> 10000 x 4096
Capture rate	> 99.9%
Imaging time	Real time
Auto exposure	Support
Protector material	304 stainless steel
Load bearing	40 tones (vehicle weight)

Above ground	7 CM
Dimension	1200mm x 280mm x 69mm
Weight	40 KG
Working temperature	-40℃ - 70℃
Protection level	IP68
Server	
Server	CPU::i5, Memory: 8G, Hard disk: 128G SSD + 1T HDD
Power consumption	< 25W
Power supply	DC 12V
Working temperature	-10℃ - 50℃
Dimension	235mm x 165mm x 50mm
Weight	40 KG
Control Box	
Vehicle detector	2 channel
Detector sensitivity	4 level
POE	6 ports 10/100/1000M RJ45
POE standard	IEEE802.3af/at
ETH	1 port 10/100/1000M RJ45
Scanner connector	1 set
External trigger	2 channel
Power supply	AC 100V - 240V
Working temperature	-10℃ - 50℃
Dimension	263mm x 150mm x 78mm
Weight	2 KG
License Plate Recognition Camera	
Sensor	1/2.8 inch CMOS
Resolution	1920 x 1080
Video codec	H264, H265
Image codec	JPEG
De-noise	3DNR
Dynamic range	96db

Aperture	Fixed aperture
Capture rate	> 99.5%
Power consumption	< 24W
Working temperature	-10℃ - 50℃
Protection level	IP65