HIKROBOT

MV-PD030001-01

Under Vehicle Surveillance System (Fixed Type)

MV-PD030001-01 under vehicle surveillance system (fixed type) is an information management system that integrates with automated collection of under vehicle images, display, storage and comparison function. Through accurate and realtime scanning of vehicles, the whole and complete image is displayed synchronously on the screen and sorted to storage according to demands. The system can effectively prevent hidden bomb, weapons, prohibited goods, and dangerous person under vehicle from entering and exiting important places, and keep carrying drugs, illegal smuggling, even illegal immigrants from passing through checkpoints. This UVSS improves the detection speed and accuracy, while human resources and capital investment have been cut.

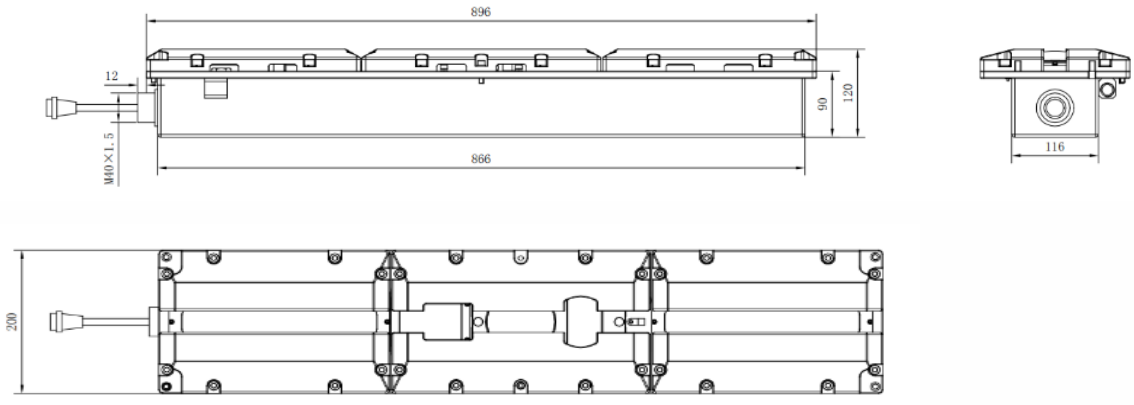


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Functional Characteristics:

- Resolution ≤ 4096 × 16800, supports multiple images stitching display.
- Matches high speed and non-uniform movement.
- FOV 180°, especially designed for distortion optimization.
- Supports two image acquisition methods, including self-trigger (coil trigger/ radar) and manual trigger.
- Associates with license plate information to contrast the historical images of the vehicle.
- Affords the rolling of heavy vehicle with waterproof, anti-fog, anti-corrosion design
- Professional illumination design, especially designed for optimizing under vehicle application environment.
- Provides ISAPI protocol and related SDK for third-party platforms accessing.
- Supports automatic or manual cleaning of dirt above the device lens to ensure perfect image formation (optional).

Outline Dimensional Drawing:



Technical Data Sheet

Model / Technical Data	MV-PD030001-01 Under Vehicle Surveillance System (Fixed Type)
Performance(Host)	
Resolution	4096*16800
Field of view	180°
Vehicle chassis width	≤4500mm
Vehicle chassis height	≥40mm
Detection speed	≤120Km/h
Picture format	JPEG
Load-bearing	50 t
Electrical feature(Control Cabinet)	
Power supply	100-240V AC，50/60 Hz
Max. power consumption	383W
Mechanical(Host)	
Temperature	Working temperature:-40℃~+70℃
Ingress protection	IP68
Weight	38.5kg
Mechanical(Control Cabinet)	
Temperature	Working temperature:-20℃~+70℃
Weight	43Kg
Industrial Computer	
CPU	Intel® Core™ i3-12100
Memory	24 GB
Storage	2T SSD
Video Output	HDMI&VGA Supports max resolution 1920x1080@ 60hz
Ethernet	6*RJ45(1000Mbps)+4*RJ45(10Gbps)
IO	Serial: 2* RS232 USB:4*USB3.0+4*USB2.0 (external) 1*USB2.0 (built-in)
Expansion Slot	1*PCIE
Dimensions(W*D*H)	161.4 mm × 208.5 mm × 105.5 mm
Operating system	Windows 10

Scene Simulation

