

ENTRANCE MANAGEMENT SYSTEMS

VV-VM1100UV-D10 UNDER VEHICLE SURVEILLANCE SYSTEM- 4K WITH FOD



FEATURES

- Area scan sensor generate high resolution image with low distortion
- 4K full HD color image output up to 10,000x4096 pixels
- Real time image display of chassis / under-carriage in the management system
- Support vehicles with different height of chassis, no limitation for vehicle length
- Embedded bi-directional triggers, support bi-directional scan
- Support high vehicle speed, up to 100km/h
- IP68 rated weather proof scanning flush-mount UVSS unit
- Management software package for UVSS
- Simultaneous monitoring & recording of images of multiple areas with up to 4 additional IPC channels
- Seamless integration with x-ray scanners, ANPR, Driver face capture camera (optional)

TECHNICAL SPECIFICATIONS

VV-VM1100UV-D10

Under Vehicle Scanner	Sensor	8MP CMOS sensor, area scan 1000 fps
	Scan Output	Line Scan or Area scan or Line/area dual output
	Area Scan Speed	Forward: 0 – 100 km/h, Backward: 0 – 25 km/h
	Height Limit	50 – 2000 mm
	Width Limit	< 4500 mm
	Length Limit	No limit
	View Angle	> 180°
	Resolution	> 10,000 x 4096 pixels 4K HD video output
	Illumination	LED 24,000 lumens
	Capture Rate & Throughput	> 99.9% with throughput of ≥ 240cars/hr / ≥1 40 heavy vehicles/hr
	Imaging Time	Real time
	Intelligent Alarm	Alerts for foreign objects detected in the scan image of under carriage, chassis (supported optional), Automatic foreign object highlighting, Automatic highlighting of changes
	Auto Exposure	Supported
	Protector Material	304 stainless steel
	Load Bearing	60 tons (vehicle weight)
	Above Ground	3 CM
	Protection Level	IP68
	Power Supply	DC24V, 6A
	Power Consumption	150W
	Operating Humidity	99%(non-condensing)
	Dimension	1200mm(L) x 300mm(W) x 75mm(H)
	Weight	27kg
Server	CPU	Intel® Core I7 with the latest gen
	Memory	Minimum 8GB
	Graphics	Intel® gen 5.0 integrated graphics engine
	Hard Disk	SDD with 1 TB SATA hard disk x 2 (extendable)
	LAN	2x 10/100/1000 RJ45
	USB	USB 2.0 (up to 4 pieces)
	Monitor	22 inch LCD, resolution up to 1920x1080
	Scene Video Record	4-channel
	Video Compression	H.264
	Work Station Console	Available (optional)
Controller	Vehicle Detector (Input)	2 channels (induction coil)
	Detector Sensitivity	4 level
	Output	1 channel switch type DC12V
	POE	8 ports 10/100/1000M RJ45
	POE Standard	IEEE802.3af/at
	External Trigger	2 channel
	Scanner Connector	1 set
	Communication	1 port Ethernet 10/100/1000M RJ45
	Power Supply	AC 220V
	Working Temperature	-10°C - 50°C
	Dimension	263mm x 150mm x 78mm
	Weight	2kg
License Plate Recognition Camera	Sensor	1/2.8" CMOS
	Resolution	2592 (H) x 1944 (V)
	Minimum Illumination	0.01 Lux (white light)
	Standard Lens	6 mm fixed lens, optional Lenses: 2.8-12 mm, 6-22 mm, 5-50 mm
	Detection Range	3-5meters

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	Lens Interface	CS / M14
	Noise Reduction	2D / 3D noise reduction supported
	Wide Dynamic Range	Supported
	Network Interface	1 × RJ45 port, 10/100 Mbps adaptive
	Video Compression Standard	H.264/H.265/MJPEG;
	Day & Night	True Day & Night with ICR
	Protocols	SDK, ONVIF, HTTP, RTSP, TCP/IP, UDP, RS485, IO, NTP
	Capture rate & Recognition rate	≥99.9%(typical scene + typical license plate)
	Adapt to Vehicle Speed	0-50 km / h
	License Plate Recognition Type	Supports English and Arabic number plates, blacklisting, whitelisting, mainstream body color recognition, and alarms for non-licensed vehicles Ordinary blue license, single and double yellow license, special license plate, etc, Mainstream Vehicle logo recognition, Support mainstream body color recognition
	Audio	1 input + 1 output
	TF Card Slot	Supports up to 128 GB
	Power Supply	12V DC
	Power Consumption	Mainboard ≤ 5W
	Operating Temperature	-20°C ~ +70°C
	Protection Level	IP66 with sunshield
Driver Face Capture Camera	Sensor	1/2.8" CMOS
	Maximum Resolution	1920 x 1080
	Scanning Method	Progressive scanning
	Electronic Shutter	1/3s ~ 1/100,000s (adjustable manually or automatically)
	Minimum Illumination	Color mode: 0.002 Lux, B&Wmode: 0.0002 Lux, 0 Lux (with fill light on)
	Signal-to-Noise Ratio	>56 dB
	Maximum Distance	Infrared: 60 m Warm light: 30 m, Warm light for face detection: 5 m
	Focal Length	2.7 ~ 13.5 mm Motorized Lens
	Aperture	F1.6
	Facial Detection	Support facial detection, tracking, selection, capture, and reporting Optimal facial capture images Facial enhancement and exposure adjustment
	Compression Standards	H.265, H.264, H.264H, H.264B, MJPEG (auxiliary streams only)
	Wide Dynamic Range	120 dB
	Storage	External Micro SD card 512GB Supported
	Ethernet	1 × RJ-45 Ethernet port (10M/100M)
	Working Voltage	DC12V (±30%) or POE+ (802.3at)
	Power Consumption	Maximum 15.7W
	Working Temperature	-30°C ~ +60°C
	Working Humidity	≤95%
	Storage Temperature	-40°C ~ +60°C
	Protection Level	IP67

*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Weights and measurements are approximate and may vary.

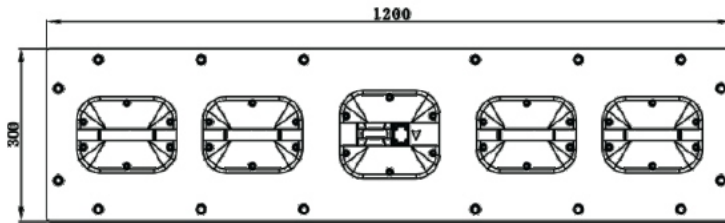
TECHNICAL SPECIFICATIONS

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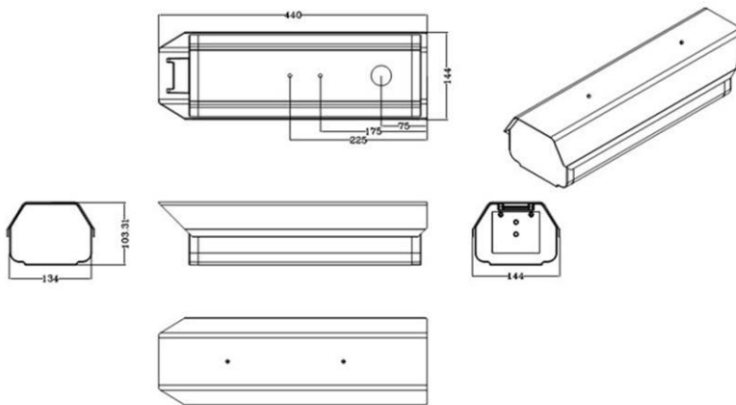
DIMENSIONS:

Unit: mm

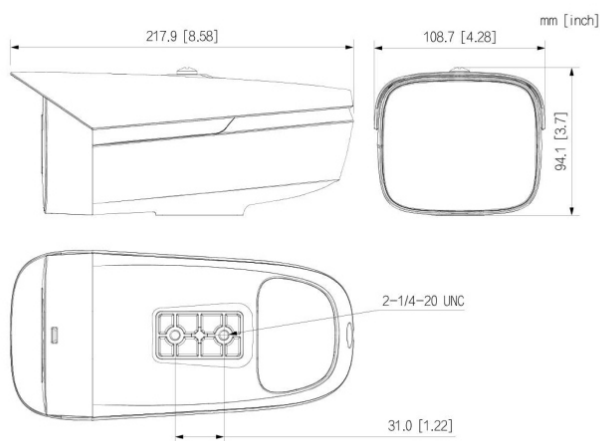
UVSS:



ANPR:



FACE CAPTURE CAMERA:



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