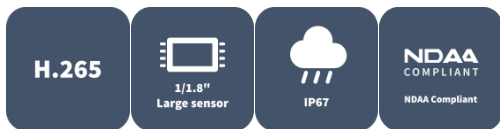


300-meter Perimeter Radar-Camera System RVS441



Features

- 80GHz high-frequency band millimeter-wave radar enables high-precision and high-resolution detection.
- Supports dual-scene coverage with long and short focal lengths to adapt to diverse application scenarios.
- Incorporates starlight-level sensors for enhanced nighttime performance.
- Facilitates radar-video data fusion to boost target detection and recognition capabilities.
- Supports simultaneous detection of 32 targets.
- Supports detection of motor vehicles, non-motor vehicles, and pedestrians.
- Supports accurate recognition of various pedestrian actions, including walking, crawling, crouching, running, and wall climbing.
- Supports simultaneous monitoring of 8 detection zones.
- Maximum 300m detection range.
- Supports automatic tracking of intruders.
- Supports event detection including intrusion detection and cross line detection.
- Applicable to diverse environments including campuses, airports, railways, power facilities, and other operational scenarios.

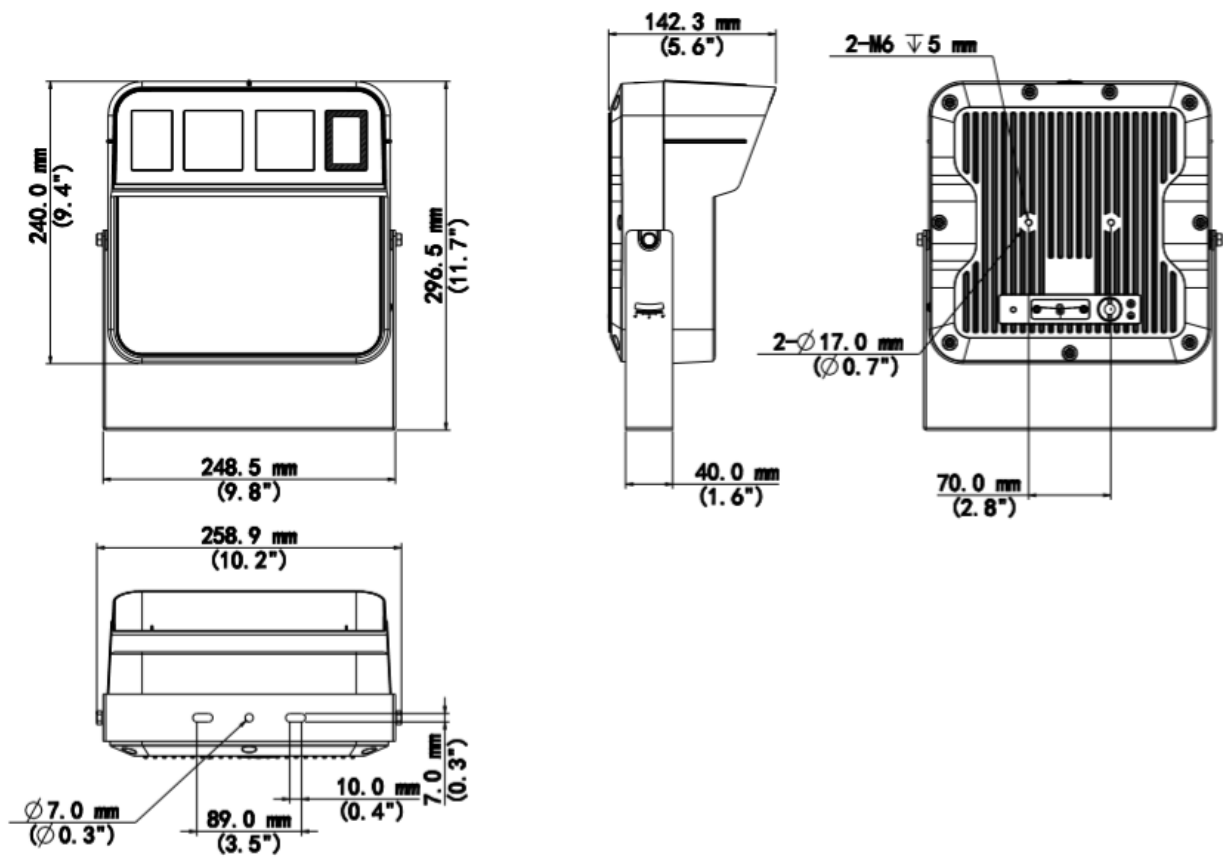
Specifications

Channel	channel 1	channel 2
Camera		
Max Resolution	4 MP	
Sensor	1/1.8" CMOS	
Basic Parameters		
Min. Illumination	0.0003 lux (1.0, AGC ON, color), 0 lux (warm light on)	0.0005 lux (F1.6, AGC ON, color) , 0.0003lux (F1.6, AGC ON, black/white)
Shutter Range	1 ~ 1/100000s	
Day/Night	Color, all day	Day : Color, Night : IR
Lens		
Focal Length	4.0 mm	8 to 32 mm
Optical Zoom	N/A	4X
Iris	F1.0	F1.6
Field of View (H)	94.5°	15° ~ 43°
Field of View (V)	50°	9° ~ 24°
Illuminator		
Built-in Illuminator Type	2 near warm lights + 2 mid-IR lights + 8 far-IR lights	
Light Beads	12	
Built-in Illumination Range	Warm light : 40m	IR light : 200m
Key Functional Parameters		
Radar-video Fusion	Support	
Max. Detection Targets	32	
Max. Detection Areas	8	
Detection Target Type	Pedestrian, motor vehicle, non-motor vehicle	
Pedestrian Detection Capability	Accurate recognition of various actions, including walking, crawling, crouching, running, and wall climbing	
Detection Direction	Supports incoming, outgoing, lateral motion detection	
Detection Distance Range	10 ~ 300 m	
Lateral Detection Range	20 ~ 200 m	
Radar		
Radar Frequency Band	80GHz	
Modulated Waveform	FMCW	
Detection Frequency	Up to 16 times per second	
Distance Resolution	1.5m	
Speed Resolution	0.1m/s	
Speed Measurement Range	0.03-30m/s	
Azimuth Angle Precision	±1°	
Distance Precision	±0.75m	
Speed Precision	±0.2m/s	
Detection Angle	Horizontal Angle ±8°	

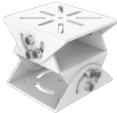
	Elevation Angle ±3	
Video		
Video Compression	H.265, H.264, MJPEG	
Video Resolution	Main stream: 2688×1520, 1080P, 720P, D1, 2CIF, CIF Sub stream: 1080P, 720P, D1, 2CIF, CIF Third stream: D1, 2CIF, CIF	
Video Frame Rate	2688×1520@30 fps	
Video Bit Rate	128-16384Kbps	
Video OSD	Multiple types of contents, such as date and time, with custom font color	
Image		
Image Resolution	2688×1520	
Image Encoding Format	JPEG	
Image Settings	Exposure mode, shutter time, gain, exposure compensation, day/night mode, etc.	
Digital Noise Reduction	2DNR/3DNR	
Event		
Event Type	Intrusion detection, cross line detection	
Storage		
Edge Storage	GB eMMC, supports expansion to 128 GB TF card	
Network		
Protocols	SSH; RTP; RTCP; IPv4; ARP; TCP; UDP; DHCP; RTSP; DNS; DDNS; NTP; FTP; UPnP; HTTP; HTTPS; 802.1x; SNMP; LAPI	
Compatible Integration	ONVIF	
Interface		
Network Interface	1 x 10M/100M/1000M Ethernet interface	
Serial Port	1 x RS 485	
Alarm Input	2	
Alarm Output	2	
Reset Button	Support	
General		
Power Supply	DC 24V ±25%	
Power Consumption	≤ 30W	
Dimensions	248.5mm (W) ×142.3mm (D) ×240.0mm (H)	
Weight	2.86kg (with bracket)	
Lightning and Surge Protection	Support	
Operating Temperature	- 40°C to 70°C	
Operating Humidity	5% to 95% RH (non-condensing)	
Ingress Protection	IP67	
Spirit Level	Support	
Compliance		
NDAA Compliant	Support	
DORI		
DORI Distance (Lens)	4 mm	8 ~ 32 mm

DORI Distance (Detect)	62.1 m (203.6 ft.)	124.1 m ~ 496.6 m (407.3 ft. ~ 1629.1 ft.)
DORI Distance (Observe)	24.8 m (81.5 ft.)	49.7 m ~ 198.6 m (162.9 ft. ~ 651.6 ft.)
DORI Distance (Recognize)	12.4 m (40.7 ft.)	24.8 m ~ 99.3 m (81.5 ft. ~ 325.8 ft.)
DORI Distance (Identify)	6.2 m (20.4 ft.)	12.4 m ~ 49.7 m (40.7 ft. ~ 162.9 ft.)

Dimensions



Accessories

TR-UP06-IN	TR-UV06-A-IN	
Universal Pole Mounting Bracket	3D Adjustable Mounting Bracket	
		

Unlimited New View

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