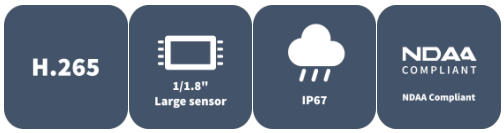
300미터 경계 레이더-카메라 시스템
RVS441





주요 특징

- 80GHz 고주파 대역 밀리미터파 레이더로 고정밀·고해상도 탐지 가능
- 장초점 및 단초점 듀얼 환경 커버리지 지원, 다양한 환경에 적응
- Starlight급 센서 탑재로 야간 성능 향상
- 레이더-비디오 데이터 융합으로 대상 탐지 및 인식 성능 강화
- 최대 32개 대상 동시 탐지 지원
- 자동차, 비자동차, 보행자 탐지 지원
- 보행, 기어가기, 웅크리기, 달리기, 벽 오르기 등 다양한 보행자 동작 정확 인식 지원
- 최대 8개 탐지 구역 동시 모니터링 지원
- 최대 탐지 거리 300m
- 침입자 자동 추적 지원

- 침입 감지 및 크로스 라인 감지 등 이벤트 감지 지원
- 캠퍼스, 공항, 철도, 전력 설비 및 기타 운영 환경 등 다양한 환경에 적용 가능

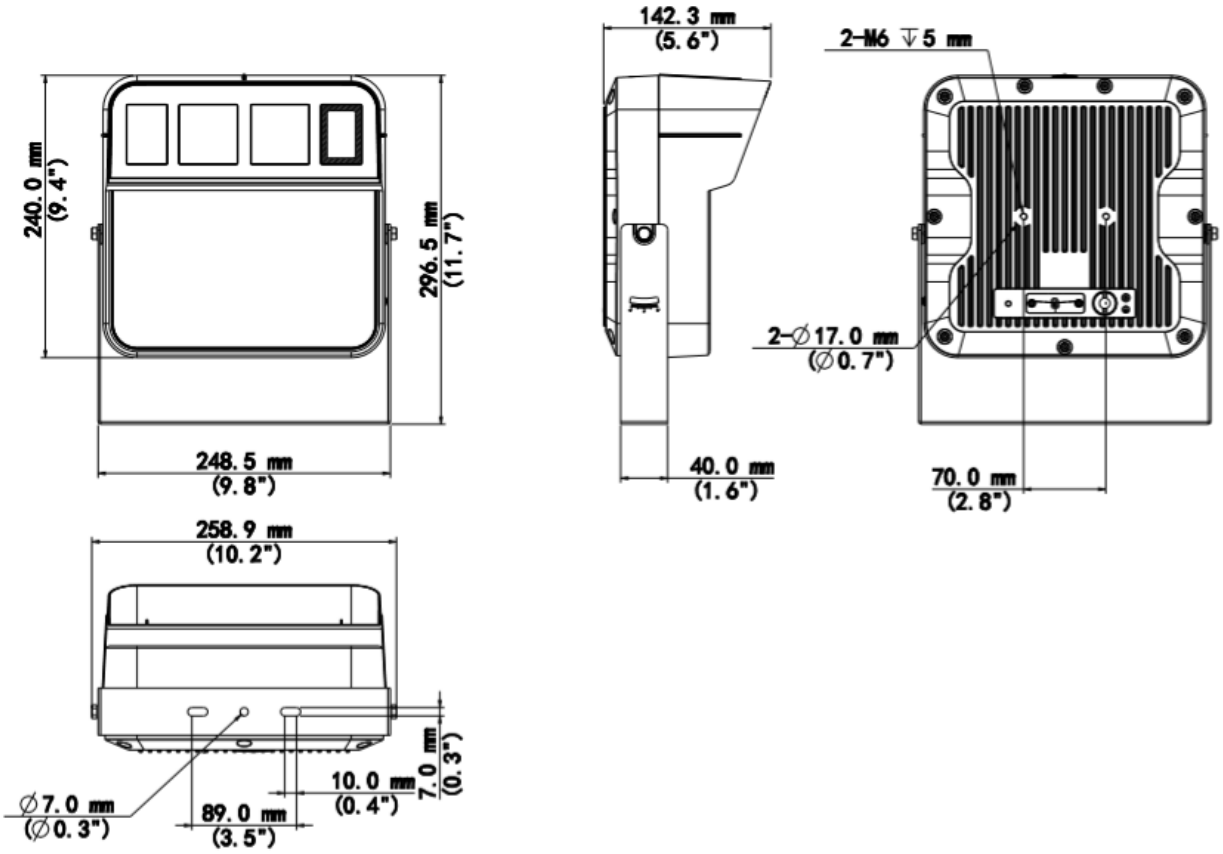
사양

Channel	channel 1	channel 2
카메라		
최대 해상도	4 MP	
센서	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 켜짐, 컬러), 0.0003 Lux (F1.6, AGC 켜짐, 흑백)
Shutter Range	1 ~ 1/100000s	
Day/Night	올데이 컬러	Day : Color, Night : IR
렌즈		
초점 거리	4.0 mm	8 ~ 32 mm
광학 줌	N/A	4X
아이리스	F1.0	F1.6
화각(수평)	94.5°	15° ~ 43°
화각(수직)	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	웜 라이트 : 40m	IR light : 200m
Key Functional Parameters		
Radar-video Fusion	Support	
Max. Detection Targets	32	
Max. Detection Areas	8	

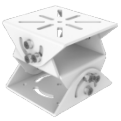
Detection Target Type	Pedestrian, motor vehicle, non-motor vehicle
Pedestrian Detection Capability	Accurate recognition of various actions, including walking, crawling, crouching, running, and wall climbing
Detection Direction	Supports incoming, outgoing, lateral motion detection
Detection Distance Range	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	8 GB eMMC, supports expansion to 512 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 거리(렌즈)	4 mm	8 ~ 32 mm
DORI 거리(감지)	62.1 m (203.6 ft.)	124.1 m ~ 496.6 m (407.3 ft. ~ 1629.1 ft.)
DORI 거리(관찰)	24.8 m (81.5 ft.)	49.7 m ~ 198.6 m (162.9 ft. ~ 651.6 ft.)
DORI 거리(인식)	12.4 m (40.7 ft.)	24.8 m ~ 99.3 m (81.5 ft. ~ 325.8 ft.)
DORI 거리(식별)	6.2 m (20.4 ft.)	12.4 m ~ 49.7 m (40.7 ft. ~ 162.9 ft.)

크기



액세서리

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

Unlimited New View

Zhejiang Uniview Technologies Co., Ltd.

http://www.uniview.com

overseasbusiness@uniview.com; globalsupport@uniview.com

No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China

©2025-2026 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.
*Product specifications and availability are subject to change without notice.
© 2022 Zhejiang Uniview Technologies Co., Ltd. 무단 전재 및 재배포 금지. *제품 사양 및 재고는 사전 예고 없이 변경될 수 있습니다.