



# AVA

## Autonomous Verified Access

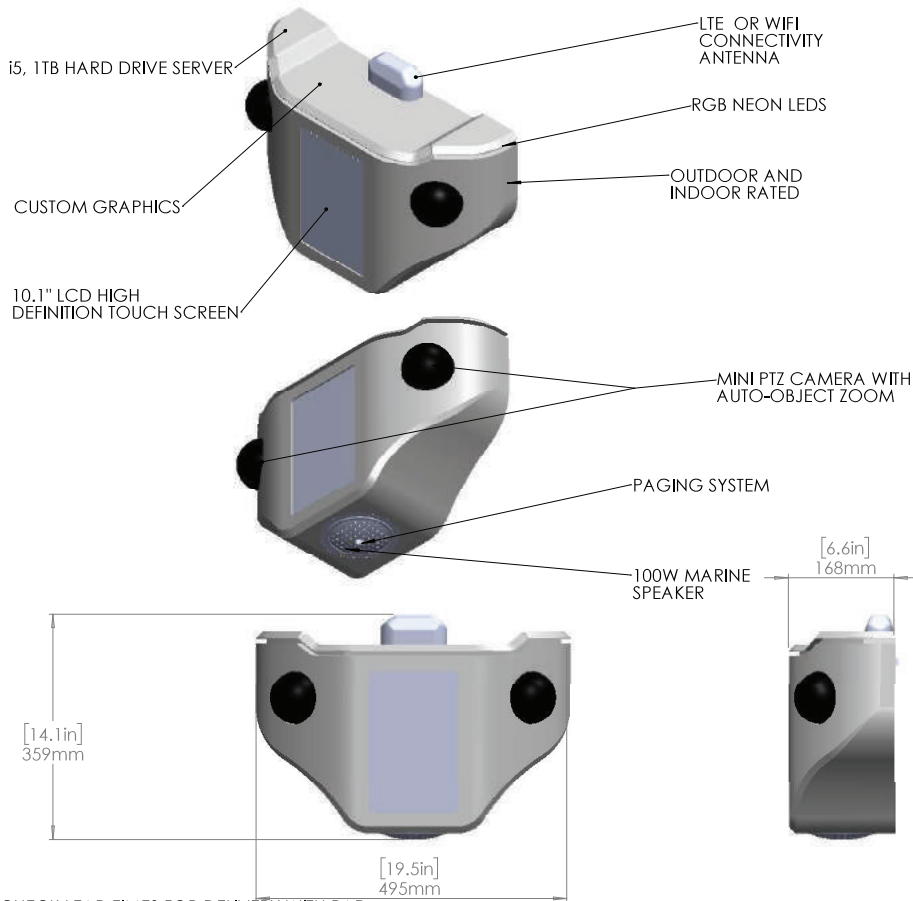
AVA is a compact and mountable unit that seamlessly integrates with all other RAD devices and provides an edge-to-edge 180° field of vision with advanced access control over gates and entries. As easy to install and scale as all RAD hardware, AVA deploys RAD's innovative artificial intelligence-based technologies to enhance an organization's situational awareness, communication, and control. AVA takes full advantage of the RAD Software Suite aimed at providing a comprehensive access control package that is ideal for storage yards, parking structures and lots, corporate campuses; anywhere that increased visibility is needed at a fraction of the cost.

- Human detection and autonomous response
- Vehicle detection and autonomous response
- Perimeter intrusion detection, response and alerting
- Audio intervention
- Live stream to mobile app
- Unlimited user licenses
- Cellular optimized – no WiFi required
- Cloud served – no hardware at client site
- 20+ days recording of all video
- 1-year event recording in cloud
- License plate recognition  
Requires specific positioning and RAD's 'BOLO Technologies' platform
- Virtual guard tour
- Two-way audio/video calls
- Audio talk-down
- Snapshot audit
- Virtual escort
- Audio/Video marketing
- Restricted area and zone management
- Owner audit reporting
- RAD's exclusive Face Mask Detection System



# AVA

## Technical Information



\*CHECK LEAD TIMES FOR DELIVERY WITH RAD  
 \*\*DETAILS SUBJECT TO CHANGE WITHOUT NOTICE

COMMUNICATION REQUIREMENTS:	
Standard - Cellular (no IT requirements) Fair or better AT&T signal required Verizon optional (extra cost)	Bandwidth requirements (range based on activity of each unit) -SCOT: 1 - 5mpbs -Wally/Rosa: 300k - 1.5mpbs
Optional (no cost) - client WiFi IT Requirements as follows: -Inbound TCP connection: No ports need to be opened -Outbound TCP Connections: 80, 443, 4445, 5938, 8822-8825 If UDP: 5938	Data Retention (summary - additional details available upon request): -Full frame/high quality video: Approximately 15 days onboard SCOT/Wally/Rosa -Detection events: 1 year -User activity: 1 year -Setup details: Until deleted/modified
RAD software supports GDPR erasure requirements.	



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RAD-L&P-AVA

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# ROAMEO

## A FULLY FUNCTIONAL, MOBILE ROBOT

The guarding and security industries have waited long enough for a robot that it can count on. ROAMEO is here.

## ENGINEERED TO PERFORM

Towering nearly 7' tall and loaded with the power to traverse miles of rugged terrain - autonomously, before heading home to recharge.

## DESIGNED TO IMPRESS

More than just a powerhouse in security, guarding and deterrence, ROAMEO™ is the culmination of engineering, design and style.

## A ROBOT THAT CLIENTS WANT

ROAMEO is not a toy nor a gadget. ROAMEO will fundamentally transform your security services.

## MANUFACTURED TO ENDURE

As solid as it is secure, ROAMEO is built to withstand the elements, keep rolling along and deter any unwanted visitors.

## PRICED TO SUCCEED

Shipping in Q1, 2021 from RAD, ROAMEO's affordable subscription model makes deploying ROAMEO accessible to all end-users.



1-877-78-ROBOT

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Rugged Observation Assistance  
Mobile Electronic Officer

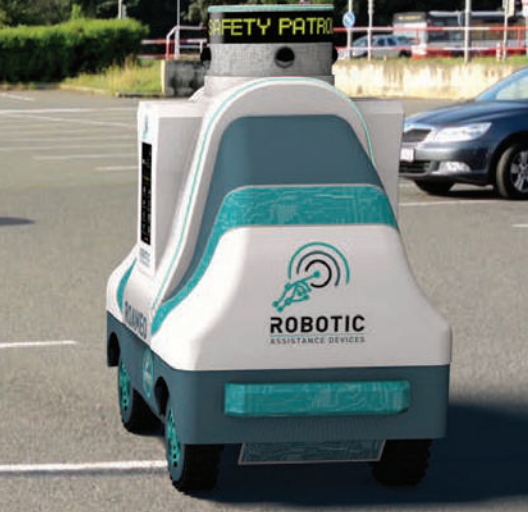


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RADROME0  
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## Unparalleled Technology Performance, Function and Awareness

- Cellular and WiFi connectivity
- 4 cameras providing a full 360° field of view
- Over-the-air software updates
- Customizable informational display that can feature any combination of video, image and text messages
- High visibility RGB LEDs
- Human detection analytics with SuspectSpotter™
- License plate recognition with LicenseSpotter™
- 24/7 equipment monitoring from RAD through the Remote Monitoring Center
- Long-range audio paging
- Credential validation and access control
- Close-range video intercom
- 2 large 22" tablets (1 per side) featuring security and concierge services, plus video conferencing with the SOC or guards in the field
- Security | Help | Panic button
- PLUS RAD's exclusive Face Mask Detection System



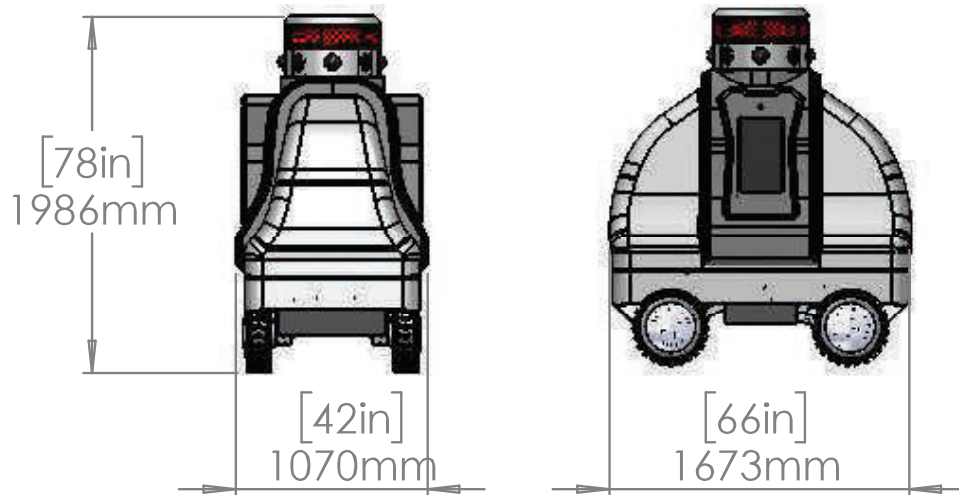
## ROAMEO, Unlike Anything Seen Before

Innovative from the ground up to its impressive 78" total height, ROAMEO™ is a robot unlike any deployed to date. ROAMEO takes all of RAD's industry-leading AI analytics, video surveillance capabilities, and interactive communications and puts them on the move, at speeds of up to 12 mph.

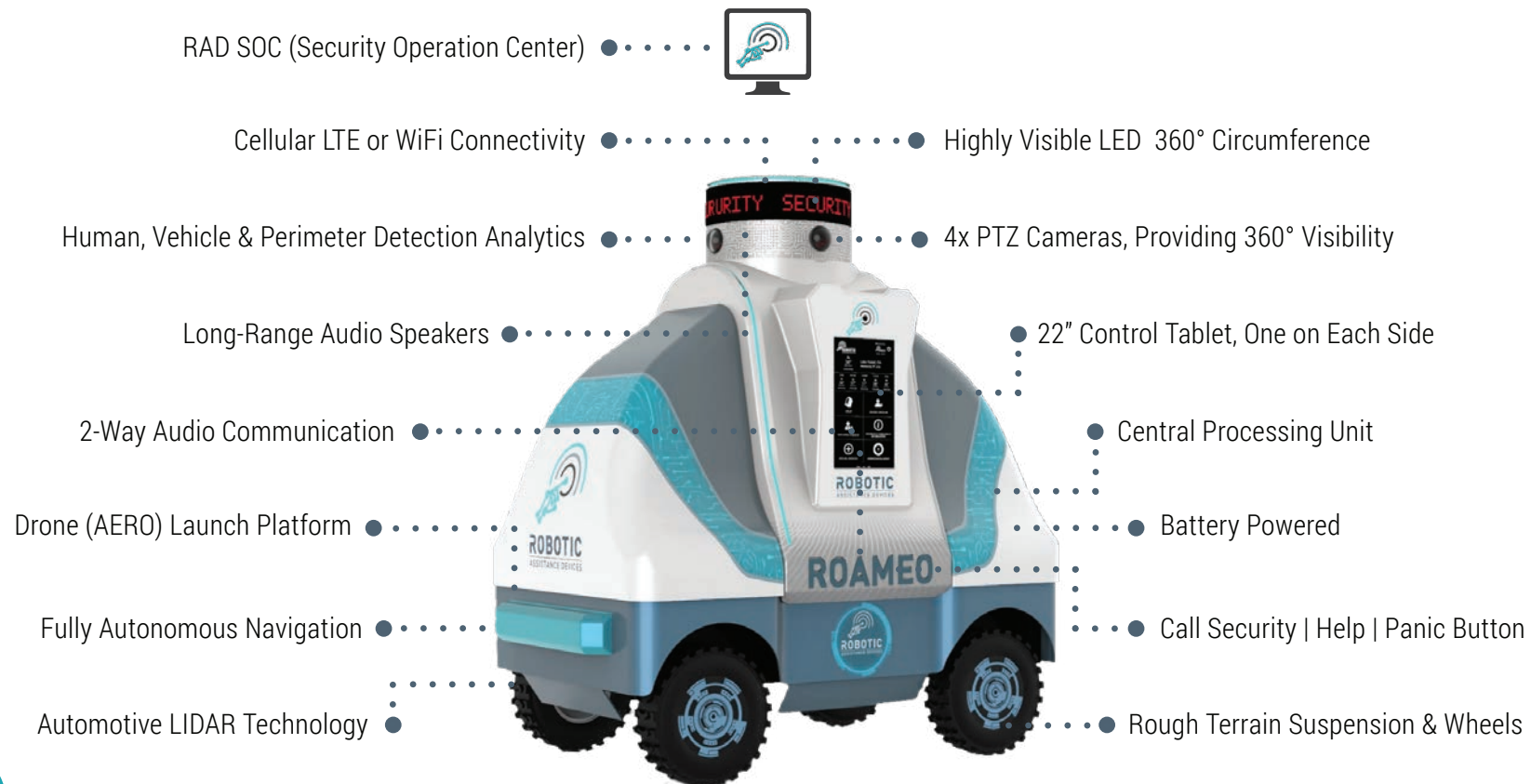
ROAMEO's 360-degree field-of-view routed through a robust analytic suite, all documented (HIPAA-compliant) securely on the cloud through enhanced cellular services will allow ROAMEO to map property patrol sites, plan and execute routes, avoid obstacles (i.e., people, trees, power posts), and collect and apply data to further optimize for precision and efficiency. The AI analytic suite powering ROAMEO enables the unit to identify vehicles, license plate numbers, and people, with facial recognition, even people wearing or not wearing face masks.







COMMUNICATION PROTOCOLS:	
Standard - Cellular (no IT requirements)	Bandwidth requirements (range based on activity of each unit): 5mbps
Fair or better AT&T signal required	
Verizon optional (extra cost)	
Optional (no cost) - client WiFi	Data Retention (summary - addition details available upon request):
IT Requirements as follows:	-Full frame/high quality video: Approximately 15 days onboard
-Inbound TCP connection: No ports need to be opened	-Detection events: 1 year
-Outbound TCP Connections: 80, 443, 4445, 5938, 8822-8825	-User activity: 1 year
If UDP: 5938	-Setup details: Until deleted/modifie
RAD software supports GDPR erasure requirements.	



As a complement to man-guarded situations, ROAMEO can also interact with people along its patrol route, providing necessary calls for help, panic buttons, security alerts, etc., plus an unlimited number of concierge services including local information, weather, directions, plus profit-generating advertising messaging.



ROAMEO, poised to roll into town and ready for duty in Q3, 2021



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# ROSA180

## Responsive Observation Security Agent with Enhanced 180° Field of View

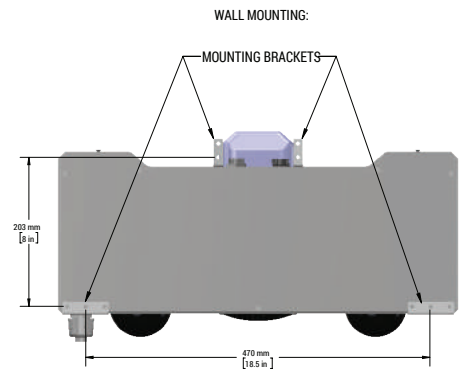
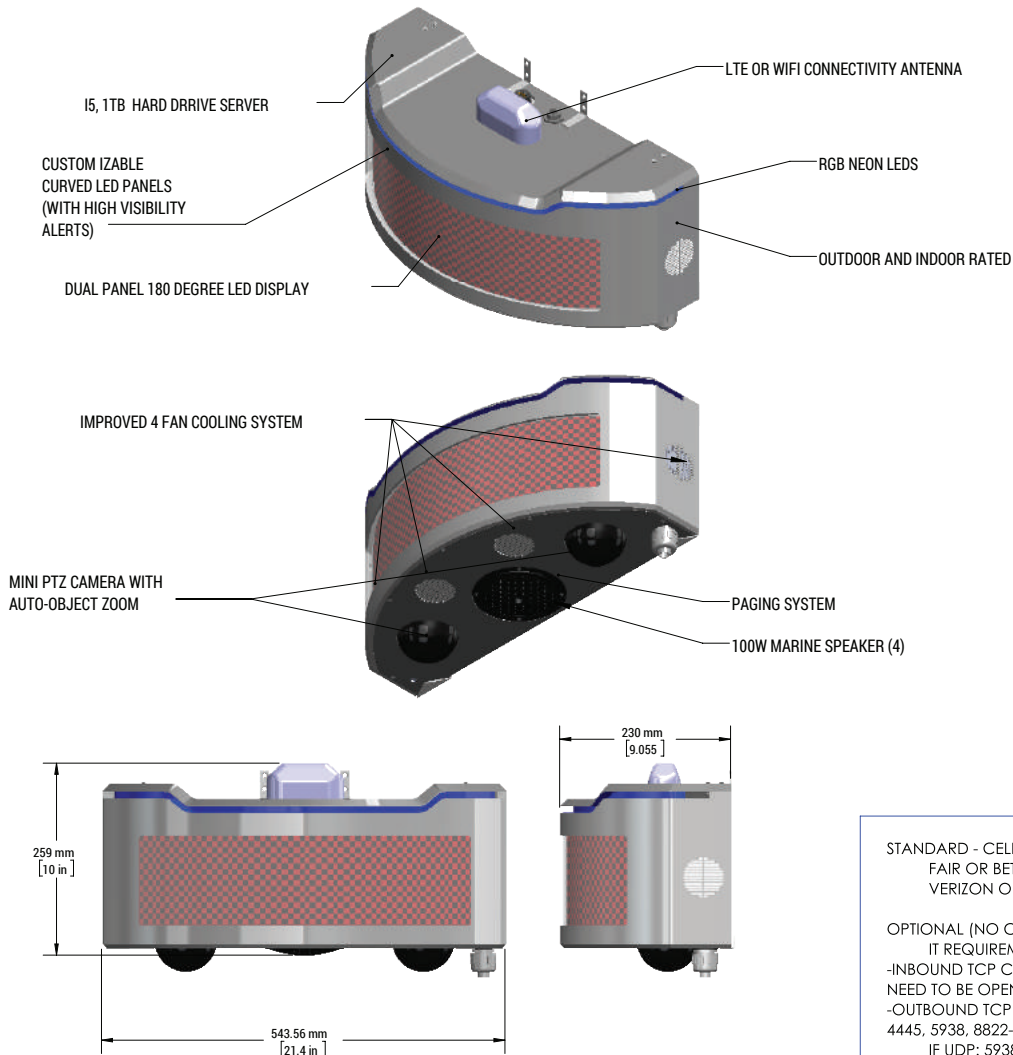
ROSA180™ takes everything that the original ROSA™ could do, and just does it all with a focus on visibility and an expanded 180° field of view with its two-cameras positioned for optimum surveillance.

ROSA can be used to recognize and deter loitering. This device's continually active analytics – all built-in – create an alert based on the end-users' particular needs. An internal countdown timer is then created, and if the identified people remain in view of the device beyond the established time, an alarm and alert is activated. Furthermore, an on-duty guard or remote monitoring officer would be notified of the incident and then could visually identify these suspicious individuals. Once identified, the guard could initiate an audio announcement through the ROSA device notifying them that they must leave, or the property would take appropriate further actions.

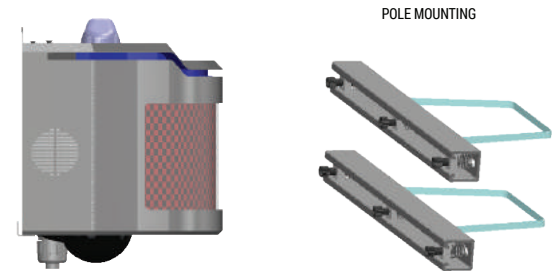
- True 180° Field of View
- 2 cameras mounted underneath the unit
- Human detection and autonomous response
- Vehicle detection and autonomous response
- Perimeter intrusion detection, response and alerting
- Audio intervention
- Live stream to mobile app
- Cellular optimized – no WiFi required
- Cloud served – no hardware at client site
- 20+ days recording of all video
- 1-year event recording in cloud
- Audio talk-down
- Snapshot audit
- License plate recognition  
Requires specific positioning and RAD's 'BOLO Technologies' platform
- Neon changing per customer SOPs
- LEDs changing on customer SOPs
- 15 minute deployment time

# ROSA180

## Technical Information



NOTE: MOUNTING HARDWARE WILL BE PROVIDED WITH THE BRACKETS SHOWN ABOVE



**COMMUNICATION REQUIREMENTS:**

**STANDARD - CELLULAR (NO IT REQUIREMENTS)**  
 FAIR OR BETTER AT&T SIGNAL REQUIRED  
 VERIZON OPTIONAL (EXTRA COST)

**OPTIONAL (NO COST) - CLIENT WIFI**  
 IT REQUIREMENTS AS FOLLOWS:  
 -INBOUND TCP CONNECTION: NO PORTS  
 NEED TO BE OPENED  
 -OUTBOUND TCP CONNECTIONS: 80, 443,  
 4445, 5938, 8822-8825  
 IF UDP: 5938

**BANDWIDTH REQUIREMENTS (RANGE  
 BASED ON ACTIVITY OF EACH UNIT)**  
 -SCOT: 1 - 5MPBS  
 -WALLY/ROSA: 300K - 1.5MPBS  
 DATA RETENTION (SUMMARY -  
 ADDITIONAL DETAILS AVAILABLE UPON  
 REQUEST):  
 -FULL FRAME/HIGH QUALITY VIDEO:  
 APPROXIMATELY 15 DAYS ONBOARD  
 SCOT/WALLY/ROSA  
 -DETECTION EVENTS: 1 YEAR  
 -USER ACTIVITY: 1 YEAR  
 -SETUP DETAILS: UNTIL DELETED/MODIFIED

**RAD SOFTWARE SUPPORTS GDPR ERASURE REQUIREMENTS.**

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RAD-L&P-ROSA180

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# ROSA270

## Responsive Observation Security Agent with Expanded 270° Field of View

ROSA270™ adds an entirely new dimension to autonomous video surveillance and response - literally, a new dimension of an additional 90° viewing area via one additional camera. **Now see what you've been missing.**

ROSA270 is designed to be deployed at the corner of any building. Often used to identify and deter trespassing and loitering, ROSA270's continually active analytics – all built-in – create an alert based on the end-users' particular needs. An internal countdown timer is created upon detecting a human in the field of view, and if the identified people remain in view of the device beyond a pre-determined time, an alarm and alert is self-activated. Furthermore, an on-duty guard or remote monitoring officer would be notified of the incident and then could visually identify these suspicious individuals. Once identified, the guard could initiate an audio announcement through the device notifying them that they must leave, or the property would take appropriate further actions.

- True 270° Field of View
- 3 PTZ cameras mounted underneath the unit
- 250' +/- Range of View
- Human detection and autonomous response
- Vehicle detection and autonomous response
- Perimeter intrusion detection, response and alerting
- Audio intervention
- Live stream to mobile app
- Cellular optimized – no WiFi required
- Cloud served – no hardware at client site
- 20+ days recording of all video
- 1-year event recording in cloud
- Audio talk-down
- Snapshot audit
- License plate recognition  
Requires specific positioning and RAD's 'BOLO Technologies' platform
- Neon changing per customer SOPs
- LEDs changing on customer SOPs
- 15 minute deployment time





ROSA270 is an ultra-compact, self-contained, security and communication solution that can be deployed in as little as 15 minutes. Its AI-driven security systems include human and vehicle detection, license plate recognition, responsive digital signage and audio messaging, and complete integration with RAD's software suite notification and response library. Two-way communication is optimized for cellular, including live video from ROSA270's triple high-resolution, full-color, always-on cameras.

Requiring only standard AC power, ROSA270 connects to the cloud and enables two-way communication via an optimized cellular connection, including live video from the unit's triple high-resolution, full-color, always-on cameras.

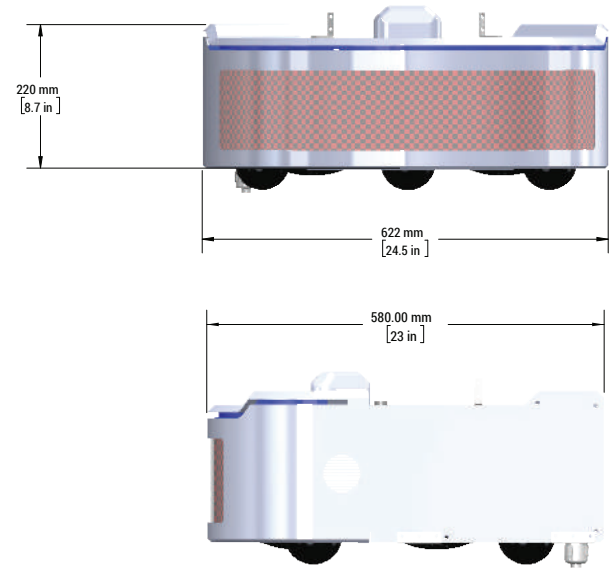
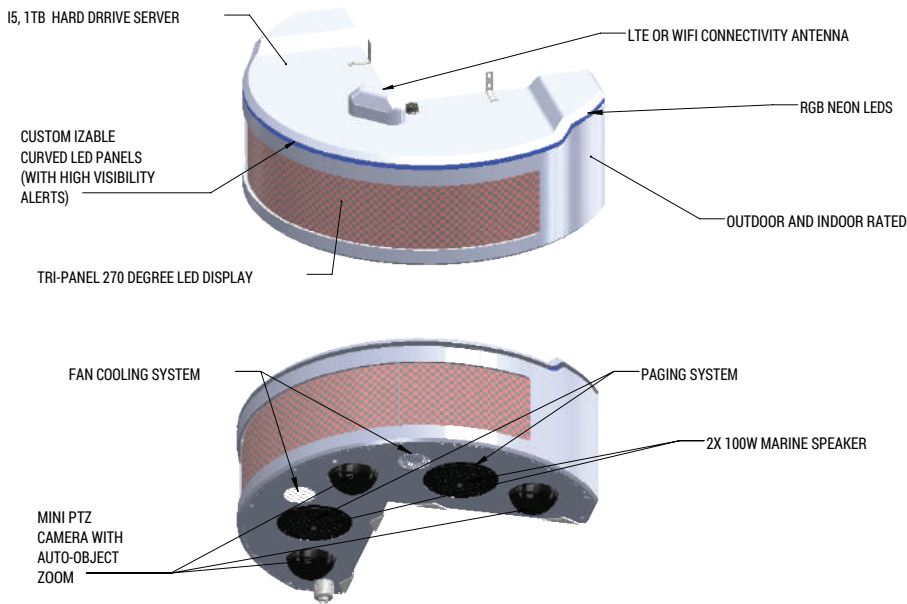
Allowing for both friendly, welcoming messages and responses meant to thwart trespassing, theft and unwelcome visitors, ROSA270 will protect and serve your property 24/7.





# ROSA270

## Technical Information



STANDARD - CELLULAR (NO IT REQUIREMENTS)  
FAIR OR BETTER AT&T SIGNAL REQUIRED  
VERIZON OPTIONAL (EXTRA COST)

OPTIONAL (NO COST) - CLIENT WIFI  
IT REQUIREMENTS AS FOLLOWS:  
-INBOUND TCP CONNECTION: NO PORTS  
NEED TO BE OPENED  
-OUTBOUND TCP CONNECTIONS: 80, 443,  
4445, 5938, 8822-8825  
IF UDP: 5938

BANDWIDTH REQUIREMENTS (RANGE  
BASED ON ACTIVITY OF EACH UNIT)  
-SCOT: 1 - 5MPBS  
-WALLY/ROSA: 300K - 1.5MPBS  
DATA RETENTION (SUMMARY -  
ADDITIONAL DETAILS AVAILABLE UPON  
REQUEST):  
-FULL FRAME/HIGH QUALITY VIDEO:  
APPROXIMATELY 15 DAYS ONBOARD  
SCOT/WALLY/ROSA  
-DETECTION EVENTS: 1 YEAR  
-USER ACTIVITY: 1 YEAR  
-SETUP DETAILS: UNTIL  
DELETED/MODIFIED

*RAD SOFTWARE SUPPORTS GDPR ERASURE REQUIREMENTS.*

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# SCOT 2.0

## Security Control Observation Tower

RAD's flagship product. Standing over 7' tall, SCOT™ is capable of manning and monitoring locations 24/7, and at a fraction of the cost of manned security personnel. The unit's 360° field of view through four high-positioned, hi-resolution, full-color, always-on digital cameras place eyes on property and periphery unlike any other product.

SCOT can be positioned and engaged to monitor and record both human and vehicle activity in any environment, indoors or outdoors. RAD's feature of SuspectSpotter uses artificial intelligence for accurate detection of persons – and then can perform a variety of actions based on location, time of day and day of week.

- Streamlined body standing 7' tall
- Solar panels
- Wrap around RGB LEDs
- Cellular and WiFi connectivity
- Over-the-air software updates
- Mini PTZ cameras with auto object zoom and long-range visibility
- Human detection analytics – SuspectSpotter™
- License plate recognition – LicenseSpotter™
- Customizable wraparound LED panels
- Audio integration – Built-in VOIP communications
- Long-range paging
- Credential validation and access control (optional)
- Close-range intercom
- Large Tablet featuring security and concierge services PLUS video conferencing with the SOC or guards in the field
- Security | Help | Panic button
- 24/7 equipment monitoring from RAD through the Robot Monitoring Center
- Up to 180 hours continuous operation
- Standalone power – RAD Power Systems, plugin option for standard 110v power
- Sturdy anti-tilt feet
- Anchor Points on feet for a more secure deployment





# SCOT 2.0

## Technical Information

WEIGHT: ~102KG (225 LB0)  
(FOR PLUG IN MODEL)

LTE OR WIFI  
CONNECTIVITY  
ANTENNA

LCD INFO DISPLAY

2 WAY AUDIO/VIDEO  
COMMUNICATION

18.4" TABLET RUNNING  
RADGUARD APPLICATION

PROXIMITY SENSOR  
(FOR SCOT BATTERY UNITS)

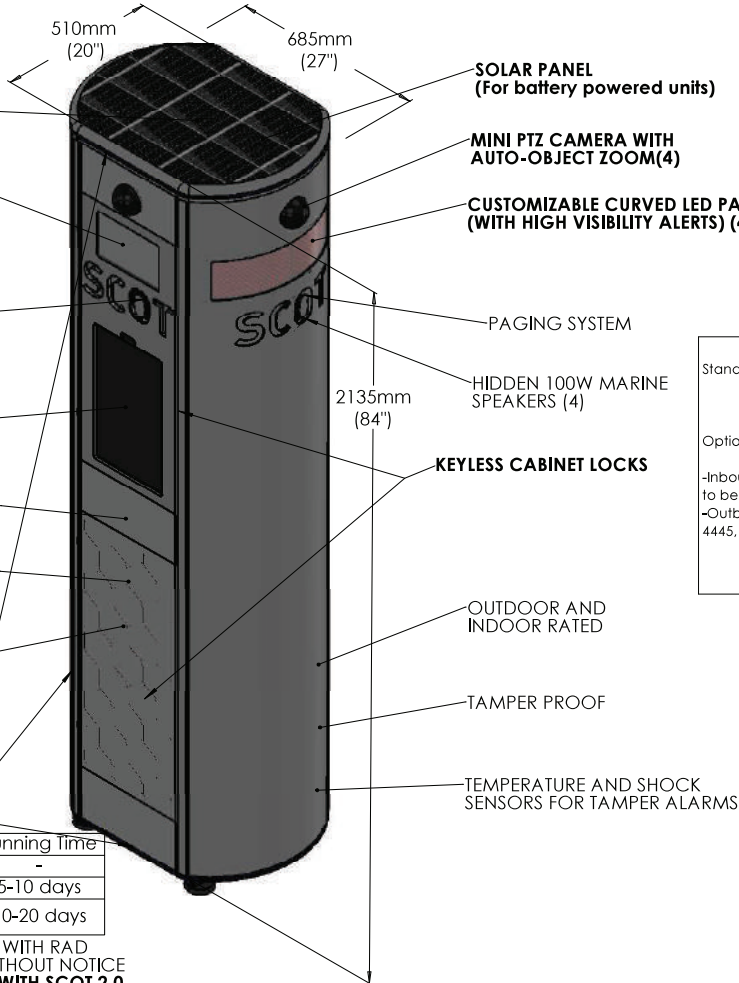
i7, 1TB HARD DRIVE SERVER

CUSTOM GRAPHICS

RGB NEON LEDS

Part Number	Power Option	Running Time
A-001050-110	Plug-in	-
A-001050-BAT	Battery	5-10 days
A-001050-EXT	Extended Battery	10-20 days

\*CHECK LEAD TIMES FOR DELIVERY WITH RAD  
\*\*DETAILS SUBJECT TO CHANGE WITHOUT NOTICE  
\*\*\*ALL BOLDED FEATURES ARE NEW WITH SCOT 2.0



### COMMUNICATION REQUIREMENTS:

Standard - Cellular (no IT requirements) Fair or better AT&T signal required Verizon optional (extra cost)	Bandwidth requirements (range based on activity of each unit) -SCOT: 1 - 5mpbs -Wally: 300k - 1.5mpbs
Optional (no cost) - client WIFI IT Requirements as follows: -Inbound TCP connection: No ports need to be opened -Outbound TCP Connections: 80, 443, 4445, 5938, 8822-8825 If UDP: 5938	Data Retention (summary - additional details available upon request): -Full frame/high quality video: Approximately 15 days onboard SCOT/Wally -Detection events: 1 year -User activity: 1 year -Setup details: Until deleted/modified

RAD software supports GDPR erasure requirements.



RAD-L&P-SCOT

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# WALLY

A wall mounted version  
of the popular SCOT device

Meet Wally™! This wall mounted unit seamlessly integrates with all other RAD devices and provides edge-to-edge 180° field of vision. As easy to install and scale as other RAD hardware, Wally deploys RAD's innovative artificial intelligence-based technologies to enhance an organization's situational awareness, communication, and control. Wally takes full advantage of the RAD Software Suite and includes all of the features of RAD's SCOT tower in a smaller package that's ideal for corporate campuses, parking structures, exterior areas, and lobbies and buildings; anywhere that increased visibility is needed at a fraction of the cost.

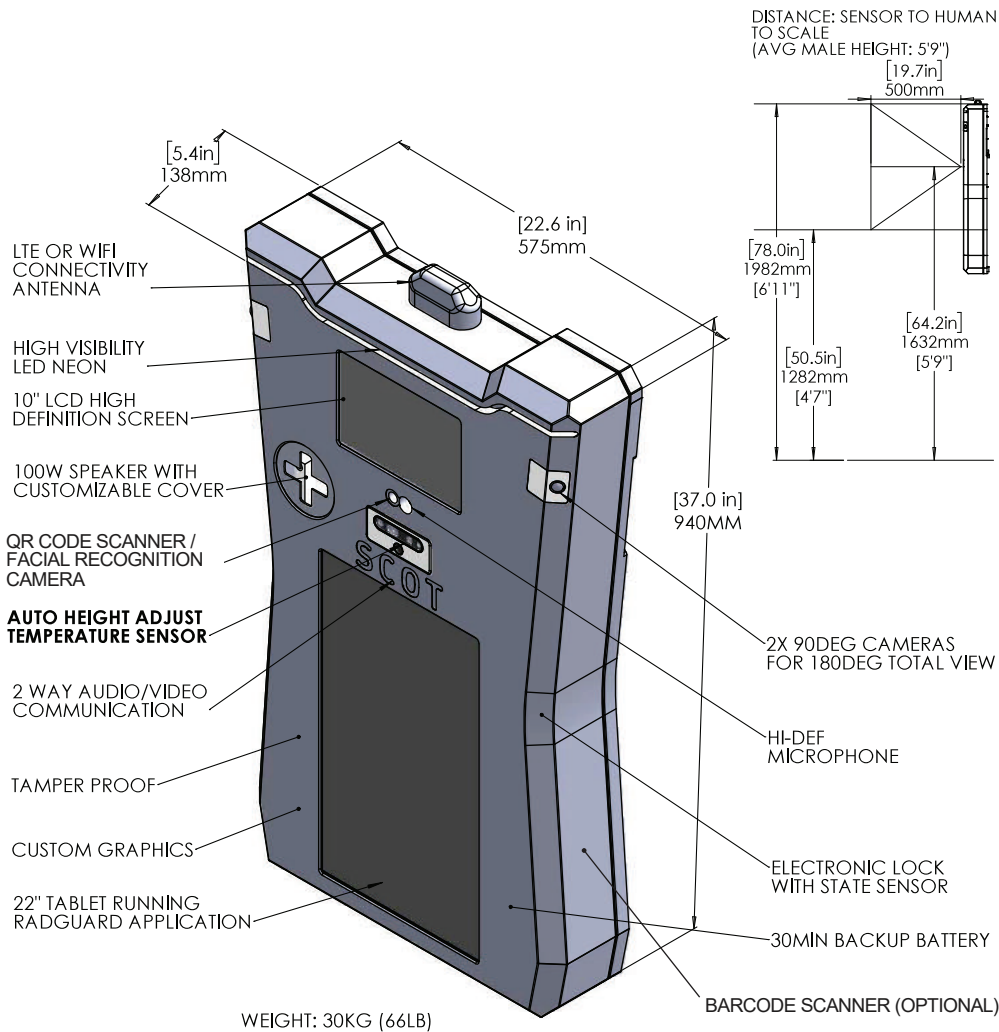
- Cellular and WiFi connectivity
- 2 cameras providing a full 180° field of view
- Over-the-air software updates
- Customizable informational display that can feature text, images, and video
- High visibility RGB LEDs
- Human detection analytics with SuspectSpotter™
- License plate recognition with LicenseSpotter™
- 24/7 equipment monitoring from RAD through the Remote Monitoring Center
- Long-range audio paging
- Credential validation and access control
- Close-range video intercom
- Large tablet featuring security and concierge services, PLUS video conferencing with the SOC or guards in the field
- Security | Help | Panic button
- Standard 110v power requirement
- RAD's exclusive Face Mask Detection System available as part of RAD's Health Screening Option (optional unit)





# WALLY

## Technical Information (Shown with Health Screening Option Specifications)



### WALLY WITH HEALTH SCREENING OPTION

Wally + Infrared Temperature Sensor & Health Screening Workflow

Allows end user to set a threshold of temperature of any visitors/employees wishing access to their facility.

End user adjustable health questionnaire includes taking subject's temperature.

High temperature or questionable answers can activate alert to secondary screening. Normal responses can unlock the door. Connect in real time via video call to a human with 1 button touch.

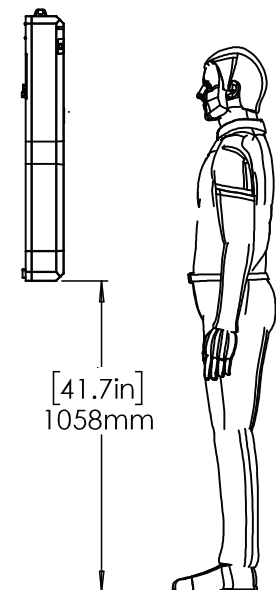
### COMMUNICATION DETAILS

Standard - Cellular (no IT requirements)  
Fair or better AT&T signal required  
Verizon optional (extra cost)

Optional (no cost) - client WiFi  
IT Requirements as follows:  
-Inbound TCP connection: No ports need to be opened  
-Outbound TCP Connections: 80, 443, 4445, 5938, 8822-8825  
If UDP: 5938

Bandwidth requirements (range based on activity of each unit)  
-SCOT: 1 - 5mbps  
-Wally: 300k - 1.5mbps  
Data Retention (summary - additional details available upon request):  
-Full frame/high quality video: Approximately 15 days onboard SCOT/Wally  
-Detection events: 1 year  
-User activity: 1 year  
-Setup details: Until deleted/modified

RAD software supports GDPR erasure requirements.



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RAD-L&P-WALLY



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# The Smart Device that Can Conduct Health Screening Tests, Check for Face Coverings, and Perform Routine Surveillance.

## Wally HSO is Here.

Businesses and schools have been forced to redefine what 'open' means. Open for business certainly does not look like it did in early 2020. Companies and educators are working feverishly to re-establish themselves while safeguarding the health of their employees, students and visitors. Robotic Assistance Devices (RAD) has an all-in-one solution to assist these facilities in opening their doors in a safe, non-touch, and secure manner.

RAD has developed a unique solution, built upon the popular Wally stationary security robot, now with additional AI-driven facial analytics, interactive screening assessments, and temperature sensors to create Wally HSO™ (Health Screening Option).

- Reduce the risk of building access by infected persons\*
- Maintain a safe environment for employees, students and guests
- Safer and more efficient than employing human resources to screen temperatures
- Reduces stress and anxiety
- Reinforces to others that you are doing all you can



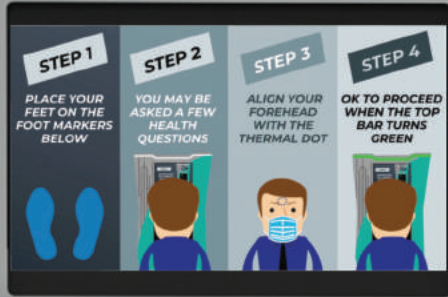
\*Wally HSO does not determine the presence or absence of any infectious disease.



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# Wally HSO



- Cellular optimized, plus WiFi connectivity
- 2 digital cameras providing a full 180° field of view
- Infrared temperature sensor built-in
- RAD's exclusive Face Covering detection system available as part of RAD's Health Screening Option
- Complies with CDC, FDA and WHO health screening guidelines and recommendations
- Customizable informational display that can feature text, images, and video
- High visibility RGB LEDs
- Human detection analytics with SuspectSpotter™
- 24/7 equipment monitoring from RAD through the Remote Monitoring Center
- Close-range video intercom
- Long-range audio paging
- QR code and bar code (optional) scanning for validation and access control
- 22" touch tablet featuring security and concierge services, PLUS video conferencing with the SOC or guards in the field
- Security | Help | Panic button
- Over-the-air software updates
- Standard 110v power requirement
- Easy to mount on wall, connects and ready to perform in just minutes

## WALLY



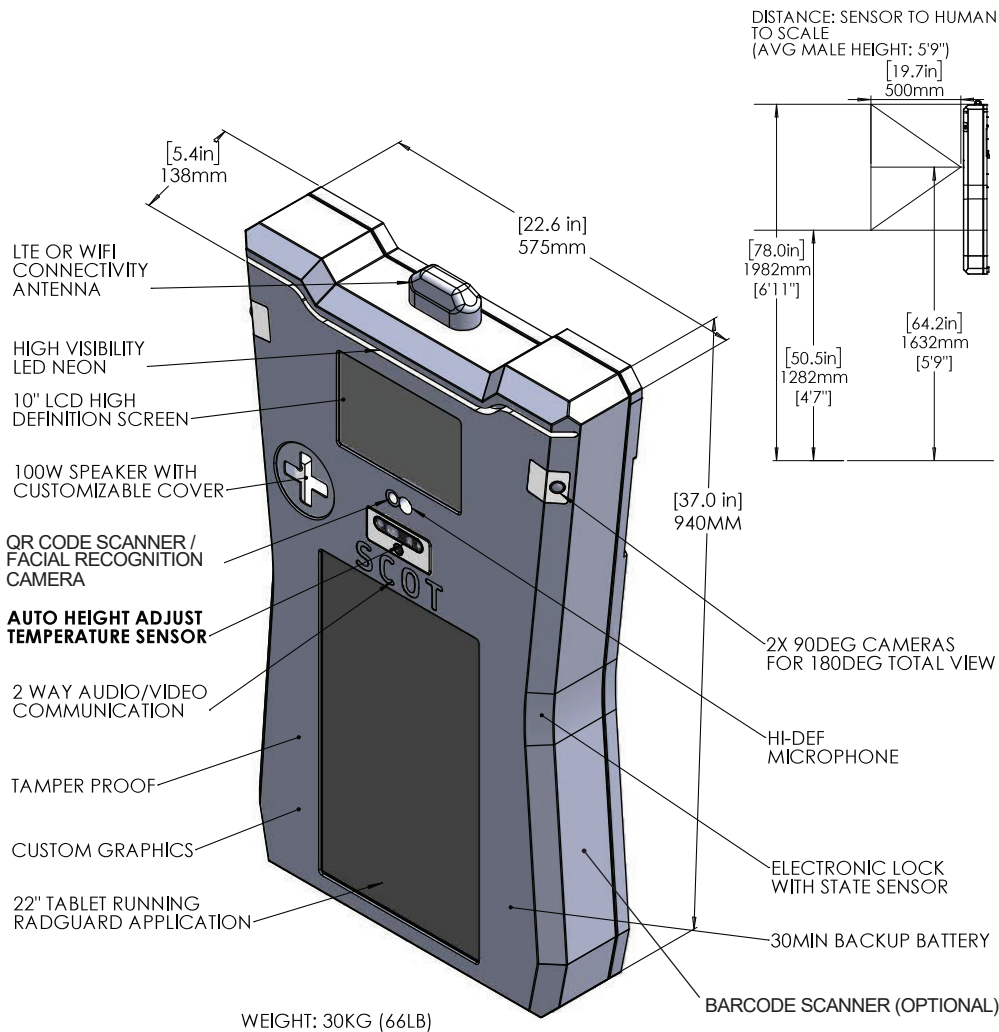
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www.roboticassistedevices.com



# WALLY HSO

## Technical Information



### WALLY WITH HEALTH SCREENING OPTION

*Wally + Infrared Temperature Sensor & Health Screening Workflow*

Allows end user to set a threshold of temperature of any visitors/employees wishing access to their facility.

End user adjustable health questionnaire includes taking subject's temperature.

High temperature or questionable answers can activate alert to secondary screening. Normal responses can unlock the door. Connect in real time via video call to a human with 1 button touch.

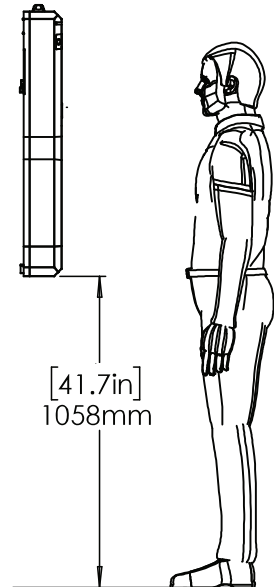
### COMMUNICATION DETAILS

**Standard - Cellular (no IT requirements)**  
Fair or better AT&T signal required  
Verizon optional (extra cost)

**Optional (no cost) - client Wifi**  
IT Requirements as follows:  
-Inbound TCP connection: No ports need to be opened  
-Outbound TCP Connections: 80, 443, 4445, 5938, 8822-8825  
If UDP: 5938

**Bandwidth requirements (range based on activity of each unit)**  
-SCOT: 1 - 5mbps  
-Wally: 300k - 1.5mbps  
Data Retention (summary - additional details available upon request):  
-Full frame/high quality video: Approximately 15 days onboard SCOT/Wally  
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-User activity: 1 year  
-Setup details: Until deleted/modified

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