AltumView Sentinare 3 Smart Activity Sensor Technical Specifications

1. Product Specifications:
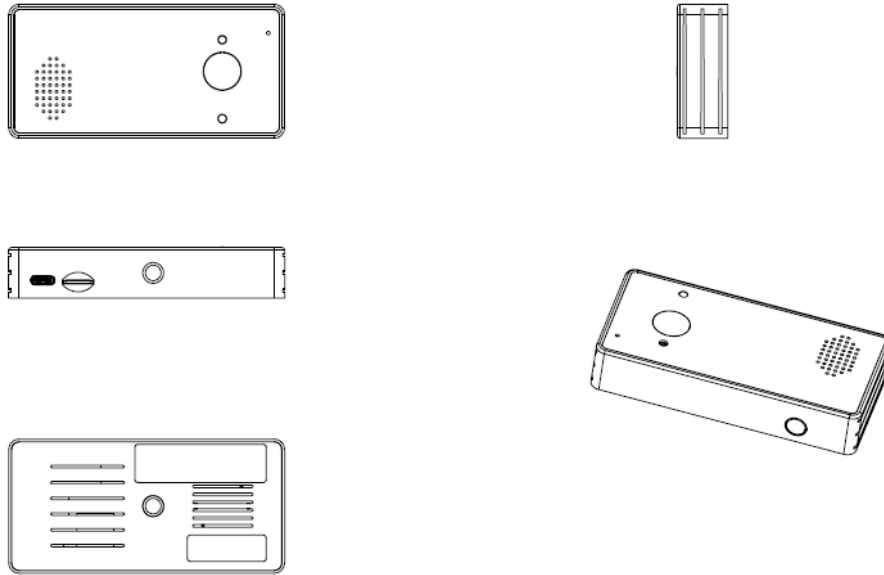
Product Name	Sentinare 3 Smart Activity Sensor
Model Number	AV-G3-0WF6
CPU	Rockchip RV1126: Quad core ARM Cortex-A7 and RISC-V MCU 2.0 TOPS NPU
DRAM	2GB
eMMC Storage	4GB
Wi-Fi	2.4GHz Wi-Fi with 802.11b/g/n (5GHz is NOT supported) WPA2-PSK or WPA2-Personal security protocol
Bluetooth	4.1

Microphone and Speaker	Yes
Image Sensor	1080p
Diagonal View Angle	158°
Infrared	Supported
Power	10W
Power Supply	Input AC: 100-240V, 50/60 HZ, 0.3A Output DC: 5V, 2A, 2.5m Type-C USB cable
Usage	Indoor only
Pan/Tilt	No
Size	104 x 50 x 19 mm
Weight	73 g
Packaging Net Weight	233 g
Packaging Gross Weight	462 g
Packaging Size	153 x 120 x 80 mm
Operation Temperature and Humidity	Temperature: -20°C ~ 60°C / -4°F ~ 140°F Humidity: 10~90%
Certificates	FCC ID: 2ATH6-AVG30WF6 IC: 25095-AVG30WF6 Japan JRL: 018-230017

2. 3D Diagrams:

3. Main Features:

- Privacy-preserving stick figure streaming and recording
- People detection
- Fall detection
- Fall risk assessment
- Region-of-interest monitoring:
  - o Entrance, Exit, Restricted Region, Overstay Detection, Absence Detection
- Waving hand detection
- Alert history & playback
- Face recognition
- Individual daily activity statistics (based on face and action recognition):
  - o Time for Standing, Sitting, Lying, Bending
- Voice call
- Night vision
- Secondary users with limited access to selected rooms and people
- Daily/weekly email account summary
- API for third-party integration
- Support Amazon Alexa Together (US only)

4. Feature Specifications:

Fall Detection:
- Best distance: < 6m
- Largest distance: 10m

Waving Hand Detection:
- Best distance: < 5m
- Largest distance: 8m

Face Detection:
- Best distance: < 4.5m
- Largest distance: 6m

Two-Way Voice Call:
- Best distance: < 5m
- Largest distance: 10m

Data Usage:
- Without stick figure recording: ~10MB/day
  - Equivalent to only 16 secs of 720p YouTube video at 5Mbps
- With stick figure recording: ~40MB/day
  - Assumptions: Only one person is in the view for about 10 hours per day
  - Equivalent to only one minute of 720p YouTube video at 5Mbps