




USING THE ANTENNAVIEW CAMERA MOUNT For AAT and AAT Mini Models


Sunsight Instruments
4380 St Johns Pkwy
STE 120
Sanford FL 32771 USA
+1 321.244.9443 x2
www.sunsight.com
support@sunsight.com


Issue 2 05/25/2024


Safety


The AAT should be handled using the following considerations:


 There are no user-serviceable parts within the AAT. All internal repairs must be performed by SunSight Instruments.

 Use only the SunSight supplied smart charger to recharge the LiFePO4 battery pack. Use of a non-approved battery charger will void the battery warranty and can damage the battery pack.

 Never attempt to recharge the batteries outdoors in inclement conditions.

 Never short the battery terminals, attempt to disassemble the battery pack, or dispose of the pack in a fire. Any exhausted battery packs must be disposed of properly. CONTACT SUNSIGHT INSTRUMENTS IF YOU ARE UNSURE OF HOW TO PROPERLY DISPOSE OF THE BATTERY.

 The AAT is water resistant, but not waterproof. Do not submerge or leave the unit in standing water. All sealing caps and doors must be secured while in use, particularly during inclement weather.

 Avoid impacting, dropping or rough handling of the AAT. The AAT contains sensitive electronic components. Rough handling may result in internal component damage.

 Care should be taken to avoid impact to the black GPS antennas on the top of the AAT.

If you suspect the AAT is operating incorrectly, contact SunSight Instruments or an authorized SunSight Instruments distributor for support.

www.sunsight.com support@sunsight.com +1 321-244-9443

This document will cover the correct usage of the AntennaView Camera Mount for the AAT and AAT Mini alignment products.

Before attempting to use the AntennaView Camera Mount or any accessories, please review all training materials and familiarize yourself with the:

[AAT/AAT Mini/AAT Max Quick Start Guide.](#)

This document assumes that the user has read and understands all AAT training and safety materials.

For the remainder of this documents, the term “AAT” will mean both the AAT and AAT Mini alignment systems.

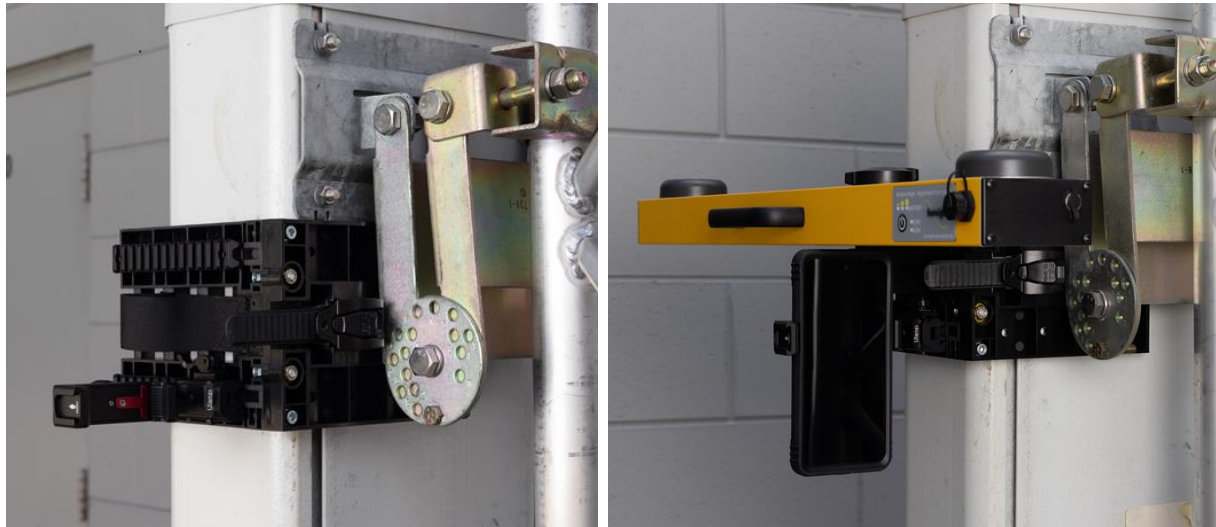
This document assumes that the AAT and AntennaView Camera Mount have been prepared and maintained.

Overview

The AntennaView Camera Mount allows the user to capture Line-of-Site photos for embedding into the AAT report. **An Android device is required to add Line of Sight photos.**



AntennaView Camera Mount



AntennaView Camera Mount on Side Mount (with and without AAT and Smartphone)

1. Secure the AntennaView Camera Mount to the AAT Side Mount

- 1) After the side mount is installed on the antenna, mount the ACMS in the desired position onto the lower rail on the mount and tighten using lever
- 2) Insert the smartphone in the mount. Use included lanyard for security.

2. Secure the AAT to the Air Antenna mount

- 1) Attach the AAT to the AIR Mount mounting rail using the grip plate on the back of the AAT. User should feel AAT “click” into position. Tighten AAT thumbscrews to secure AAT.
- 2) Secure AAT and Air Mount to stable structure using safety lanyard to prevent potential falling hazard.

3. Measuring, Capturing and Reporting Alignment Data

- 1) Connect to the AAT in the standard way by powering on the AAT and connecting using WiFi or USB-C cable (see Quick Start Guide for detailed instructions). The WiFi connection can be made using the Android App (required for photos)
- 2) On the AAT Measure Only page, set Orientation to “**Faces Left**” or “**Faces Right**” and click Apply.

- 3) Perform antenna adjustments to match desired alignment and save results.
- 4) When capturing alignment results, the user will be prompted to add photos as part of the capture process. User can choose the horizon (antenna boresight) view from the AntennaView Camera Mount or remove the smartphone or tablet to make freehand pictures as required.
- 5) Multiple pictures can be taken so boresight and freehand pictures can be added to captured alignment data

Antenna Position		Azimuth		Mech D-tilt				Roll		AGL Height		MSL Height		Capture Timestamp	
Target	First	Final	Target	First	Final	Target	First	Final	Target	First	Final	Final	Final	First	Final
Alpha (1)	35	36	0.0	1.2	0.0	-0.4	N/A	N/C	31.8ft					2024-01-05	16:48:55 (UTC)
A1															
Final Lat	Final Long	Elev D-tilt 1	Elev D-tilt 2	AAT Cal		Company	Frequency	User							
28.804514	-81.322222	N/A	N/A	2024-01-05 14:42:11 (UTC)											
Antenna		TMA/RRUMHA										Notes			



Sample Report with LOS Photos (pictures made in mount and freehand)