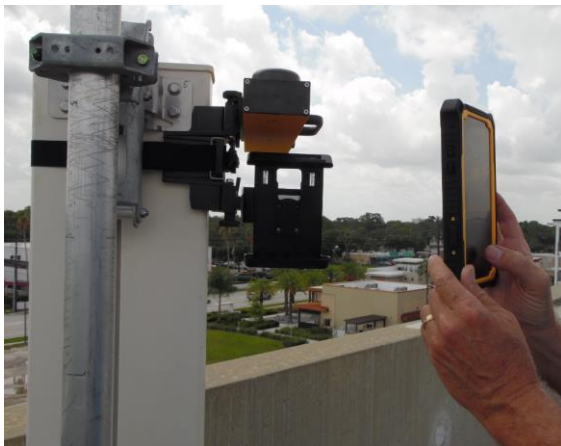


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ANTENNAVIEW CAMERA MOUNT INSTRUCTIONS – MODELS AAT30, AAT15, MW15  
(panel mode)

## AntennaView Camera Mount Instructions

Instructions for using the AntennAlign Alignment Tool (AAT) AntennaView Camera Mounting System (ACMS) for Models AAT30, AAT15, MW15 (Panel Mode)



## Introduction

Sunsight Instruments is proud to introduce our latest antenna alignment solution, the AntennAlign AntennaView camera mounting system (ACMS). This solution is compatible with the AAT30, AAT15 and MW15 models. The term “AAT” will be used throughout this document to universally describe the AAT30, AAT15, and MW15 units.

## Highlights

- **Simple camera mount for tablets or smartphones**
- **Mount is in same planes (azimuth tilt and roll) of the antenna, so photograph is referenced directly to the physical boresight of antenna**
- **Attaches directly to the standard AAT Side Mount with no modifications**
- **Tablet or smartphone can be removed from mount for additional pictures of AAT unit mounted on antenna or other mounting details**
- **Alignment details are embedded directly in photographs**
- **Photographs are included in all PDF alignment reports**
- **Can be used on either side of antenna**
- **Low cost, flexible solution to address carriers' requirements**

The ACMS system was developed in conjunction with major wireless carriers to address their need for an alignment report that captures not only the horizon view of the antenna's mechanical boresight, but also addresses the need to capture photo documentation of other alignment information during the alignment process. The boresight picture gives photo documentation of any obstructions in the visual field of the antenna being aligned. Once this photo has been saved, the tablet or smartphone can be removed from the ACMS mount to allow another freeform picture of the antenna or mount as outlined within the customer's requirements. All pictures are saved as part of the alignment capture process and are stored in an alignment report. Each picture in the report has the alignment detail embedded directly in the picture.

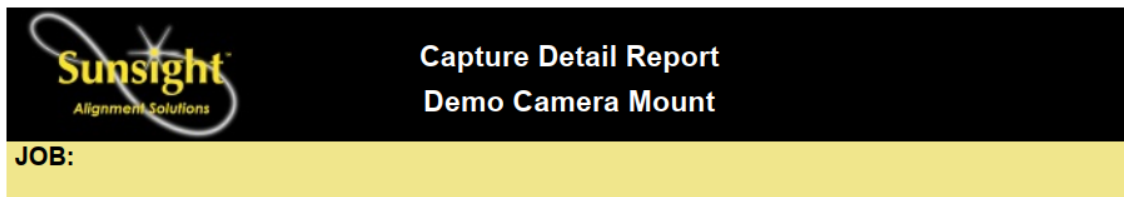
The ACMS allows for the flexible use of **any Android tablet or smartphone running Android OS 6.0 or later.** **Sunsight offers relatively inexpensive rugged IP65 tablets for sale to use with the ACMS, but the user may supply their own.**

ACMS solution consists of a simple mount that attaches to any standard AAT side mount. The ACMS includes options for both smartphones as well as tablets. See pictures below for details:

### To use the ACMS

- Choose the smartphone or tablet holder as required and attach holder to the ACMS baseplate with provided thumbscrew. \*Note the holder can be mounted so that it can be used on the left or right side of the antenna.
- With the AAT already mounted on the antenna with the standard AAT side mount, insert the ACMS mount into the bottom grip portion of the mount below the AAT until it clicks in place and tighten the two thumbscrews.
- Insert the tablet or smartphone in the mount. Make sure it is well secured.
- Turn on the AAT.
- After the AAT boots (blue AZM LED flashes), open the Sunsight app on smartphone or tablet and proceed with normal AAT usage.
- 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) or remove the smartphone or tablet to make freehand pictures.
- User can include up to two photos per capture.

### Sample Report using ACMS (2 pictures)



**SITE:** Demo Camera Mount

**SECTOR:** Alpha (1)

**ANTENNA:** A1

	Target	Actual
Azimuth	N/A	43 (GPS)
Mechanical Downtilt	N/A	-0.3
Roll	N/A	0.3
AGL Height	N/A	Not Captured
Latitude	N/A	28.566826
Longitude	N/A	-81.365398
Positional Accuracy		0.98ft/0.3m RMS

**MSL Height:** 151 ft.

**Captured (UTC):** 2019-06-11 15:44:54

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Capture Timestamp: 2019-06-11 15:44:54 (UTC)  
Site: Demo Camera Mount  
Sector: Alpha (1)  
Ant. Pos.: A1  
Azimuth: 43 (GPS)  
Downtilt: -0.3  
Roll: 0.3  
Latitude: 28.566826  
Longitude: -81.365398  
AGL Height: Not Captured  
MSL Height: 150.6 ft



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ANTENNAVIEW CAMERA MOUNT INSTRUCTIONS – MODELS AAT30, AAT15, MW15  
(panel mode)

Capture Timestamp: 2019-06-11 15:44:54 (UTC)

Site: Demo Camera Mount

Sector: Alpha (1)

Ant. Pos.: A1

Azimuth: 43 (GPS)

Downtilt: -0.3

Roll: 0.3

Latitude: 28.566826

Longitude: -81.365398

AGL Height: Not Captured

MSL Height: 150.6 ft

