



Safe-T-Scope® 360AHD™ 3D Surround View System

Quick Start Guide and Calibration Steps

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90-21 144th Place, Jamaica, New York USA 11435

Phone: 800-227-2095

www.roscovision.com

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Specifications and details are subject to change without prior notice.

Patent Pending



Overview

This document is intended as a QuickStart Guide to Rosco Vision's Safe-T-Scope® 360AHD™ 3D Surround View System. For complete information on the functionalities and features of the system, please consult the complete manual (MNL360AHD_V1.1). The goal of this document is to briefly aid the user in the steps required to operate the system after complete hardware installation.

Equipment (STSA1102P)

	<p>1x STSA5785 DVR Remote</p> <p>(Included in STSA1102P calibration kit)</p> <p>*If required, range extender IR cable is also provided</p>
	<p>4x STSA1101 Calibration Mats</p> <p>(Included in STSA1102P calibration kit)</p>

Getting Started

STEP 1: Turn on the system

Once all the wires and devices are connected properly, verify operation by turning on the device. This can be done by turning on the vehicle's accessory switch or turning the vehicle's ignition on. (Note: It is recommended to have the system installed by Rosco Vision upon order.)

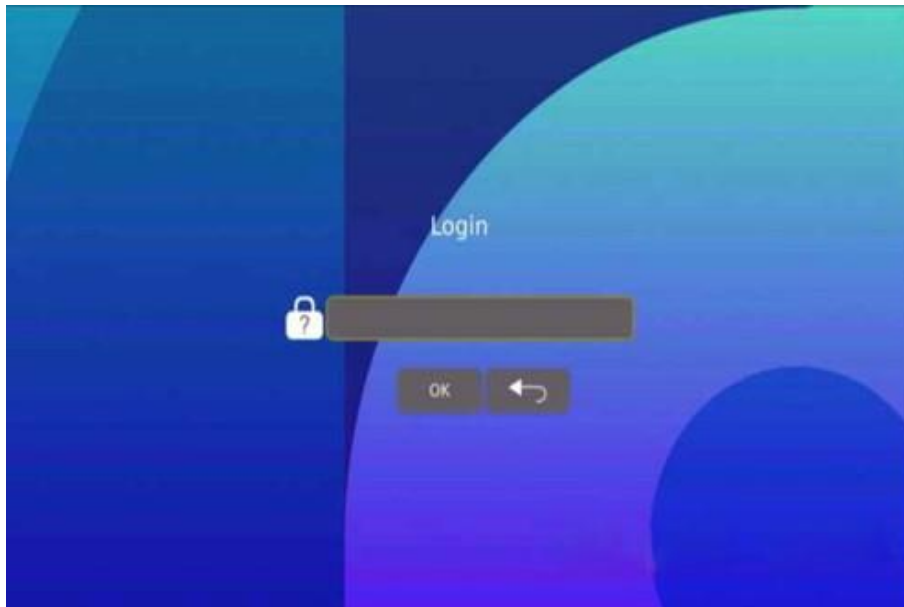
If the installation of hardware was successful, exterior image from the 4 cameras shall be displayed on the monitor.

STEP 2: User Login

The monitor should have its display turned on at this point. Press the 'Enter' or 'Menu' button on the DVR remote provided in the calibration kit to access the user login page.



If successful, the UI (user interface) below should appear, prompting the user to login:



Use the numbers on the remote, or the keyboard interface on the screen to input the default password.

The default password is: **22061**. Please contact Rosco Vision's technical support/customer care team if you are locked out of the system.

STEP 3: Entering the Main Menu

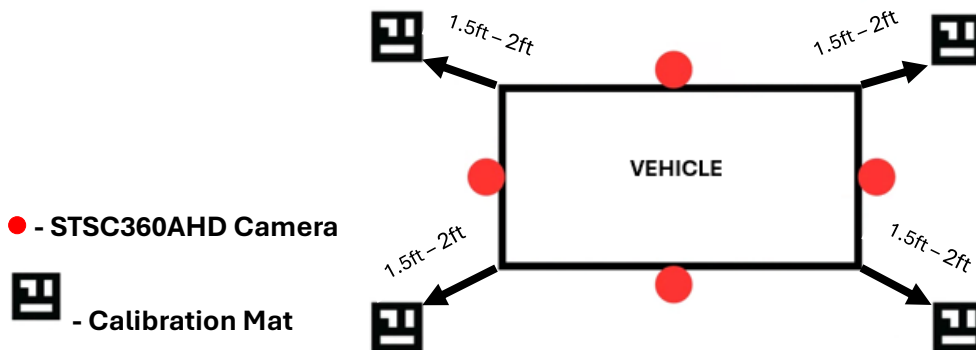
At this step, you would have reached the main menu UI, which is shown below:



Note: The following steps in this document will guide the user from initial startup up to the point of a successful calibration procedure. For complete feature descriptions and menu functionalities, please consult the user manual document.

STEP 4: Position Calibration Mats

Please refer to the mapping diagram shown below on how to position the calibration mats for the auto-calibration procedure.



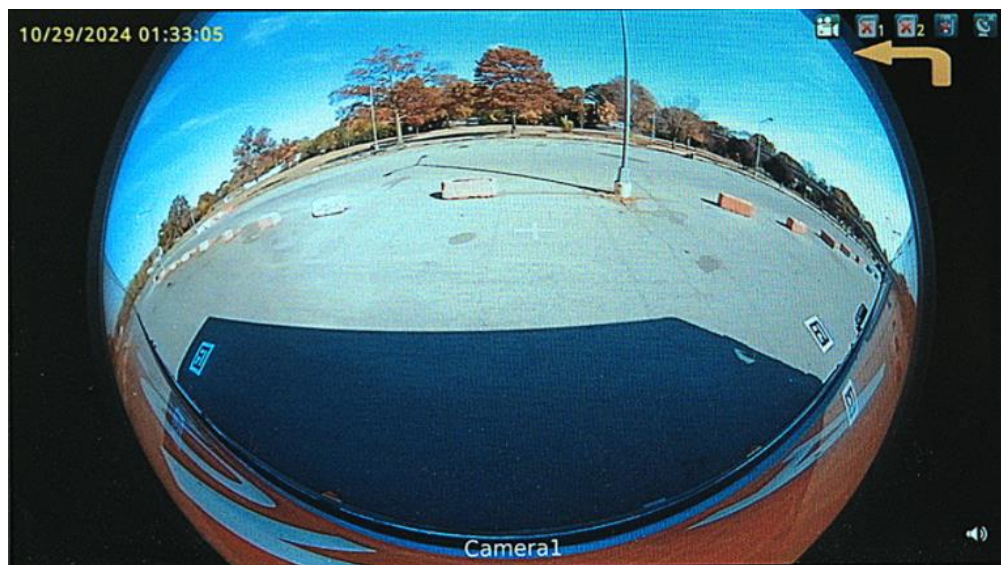
Generally, the mats should be placed about **1.5ft – 2ft** diagonally from the corner of the vehicle to ensure that it is properly captured by the four cameras.

STEP 5: Verify Position of Calibration Mats

Press 'ESC' on the remote to return to camera view mode. At this point, each camera should be able to view 2 mats when selected.



Below are reference images to show the proper mat placements at each camera position.



Left-side camera



Right-side camera

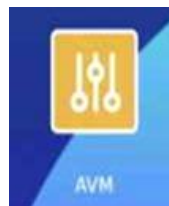


Rear camera



Front Camera

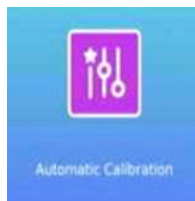
STEP 6: Select AVM



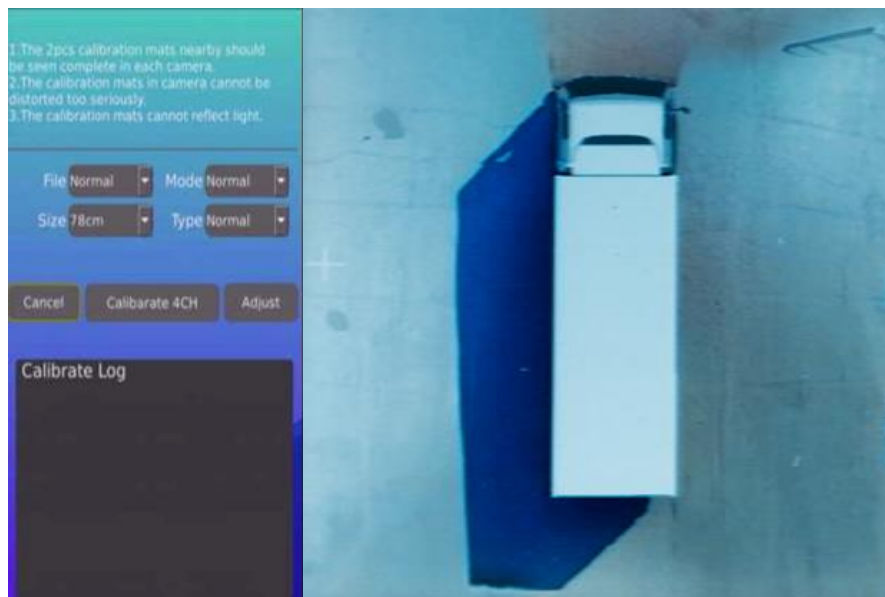
Use the remote to select the icon above to access the AVM calibration menu UI.
If this step is successful, the AVM calibration UI should display as shown below:



STEP 7: Select Automatic Calibration



Use the remote to select the icon above to access the Automatic Calibration menu.



IMPORTANT CALIBRATION NOTES

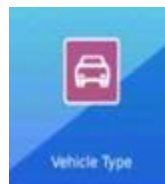
- Leave the default settings for File, Normal, Size, and Type as these are parameters which apply to most vehicles.
- Navigate to Calibrate 4CH and select that option to begin the Auto-Calibration procedure.
- If the procedure fails, it will tell you which camera failed during the process. This is normally due to incorrect placement of the calibration mats.
- As a troubleshooting step, please adjust the calibration mats for the camera that failed and repeat the auto-calibration procedure.

Upon successful completion of the auto calibration procedure, the following message should be displayed on the screen:



The following settings after successful calibration will allow you to adjust the vehicle display length, width, and rotation to ensure coverage accuracy.

STEP 9: Select Vehicle Types



Use the remote to select the icon above to access the Vehicle Type menu. From here, there will be a list of vehicles for both 2D, and 3D view to choose from. See below sample of 2D vehicle list, note that the list will change when the ECU is set to 3D mode.

