Daisy Smart Target System (STS)

Thank you for choosing the Daisy Smart Target System! By combining the timeless precision of traditional shooting with cutting-edge technology, you're ready to elevate your skills and experience shooting in a whole new way.

Package Contents:

A. 2 x Horizontal Support Tubes
B. 2 x Corners
C. 1 x Camera Shield
D. 1 x Camera Mount
E. 1 x Lower Target Holder
F. 2 x Vertical Support Tubes
G. 1 x Upper Target Holder
H. 1 x Camera Antenna
I. 1 x Camera
J. 1 x USB-C to USB-C Charging Cable

Hardware:

1. 4 x Camera Shield Phillips Head Screws (Pointed)
2. 8 x Hex Head Bolts
3. 4 x Lower Target Holder Phillips Head Screws (Machined)
4. 1 x Camera Mount Phillips Head Screw

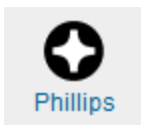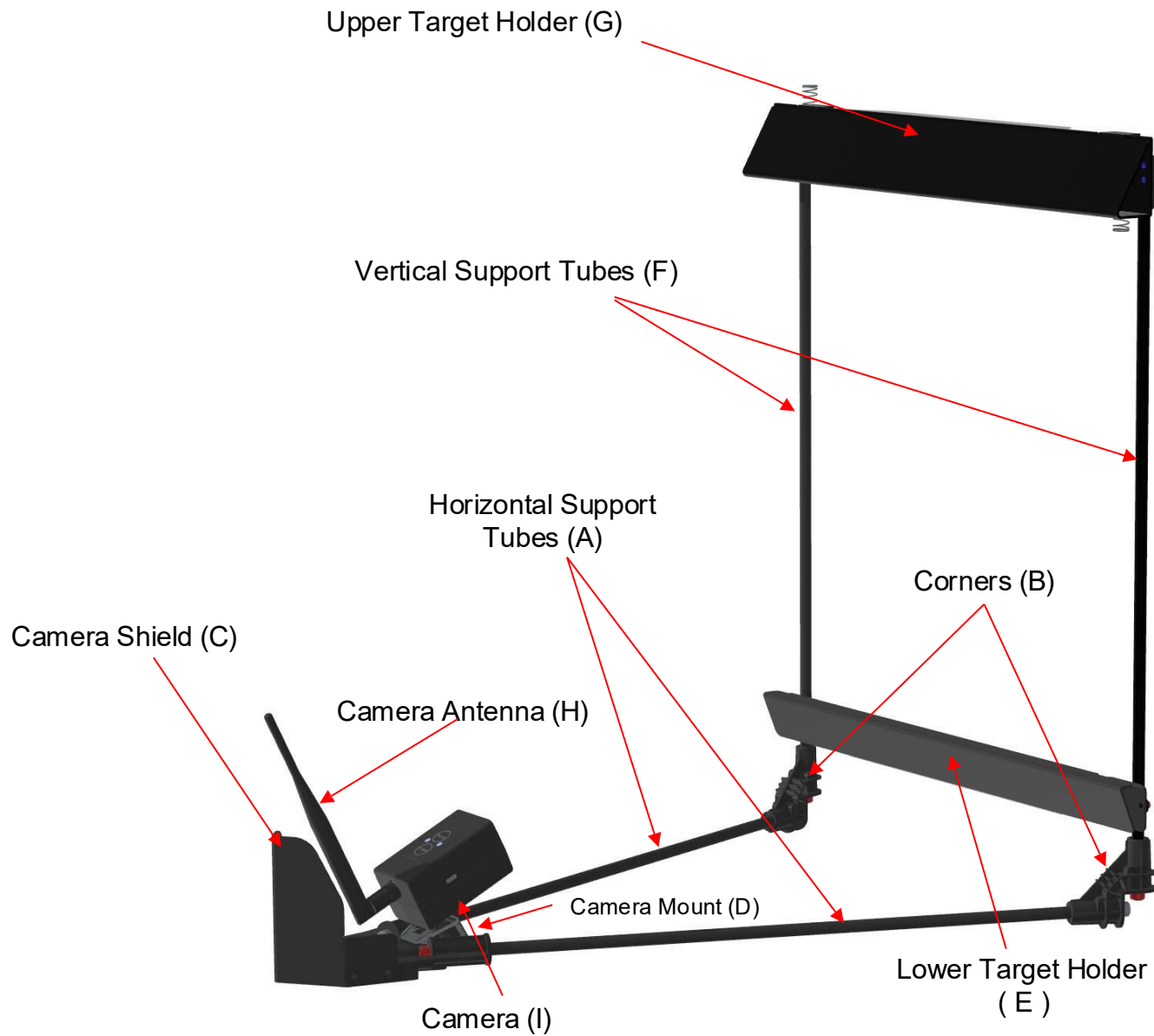# Instructions for Assembly

Tools Needed

1. Allen Key / Hex Key

2. Phillips screwdriver

Parts Diagram

Upper Target Holder (G)

Vertical Support Tubes (F)

Horizontal Support
Tubes (A)

Corners (B)

Camera Shield (C)

Camera Antenna (H)

Camera Mount (D)

Lower Target Holder
(E)

Camera (I)

NOTICE
Please follow the assembly instructions in the specified order,
as the unit will not assemble correctly if the steps are not
**completed in sequence.**

DO NOT OVERTIGHTEN COMPONENTS

Assembly Steps

1. Using 2 x Hex Head bolts (2) attach the 2 Corners (B) to the 2 Horizontal Support Tubes (A) using an Allen Key/Hex Key. Do NOT tighten the bolts to leave some room for rotation.

Corner (B)

Horizontal Support Tube (A)

Hex Head Bolt

2. Insert the 2 Horizontal Support Tubes (A) from Step 1 into the Camera Mount (D). Attach the 2 Horizontal Support Tubes (A) to the Camera Mount (D) utilizing 2x Hex Head Bolts (2) using an Allen Key/Hex Key. It is easiest to hold the Allen Key/ Hex Key still while rotating the tubes by hand to tighten the Hex Head Bolts. Do NOT overtighten.
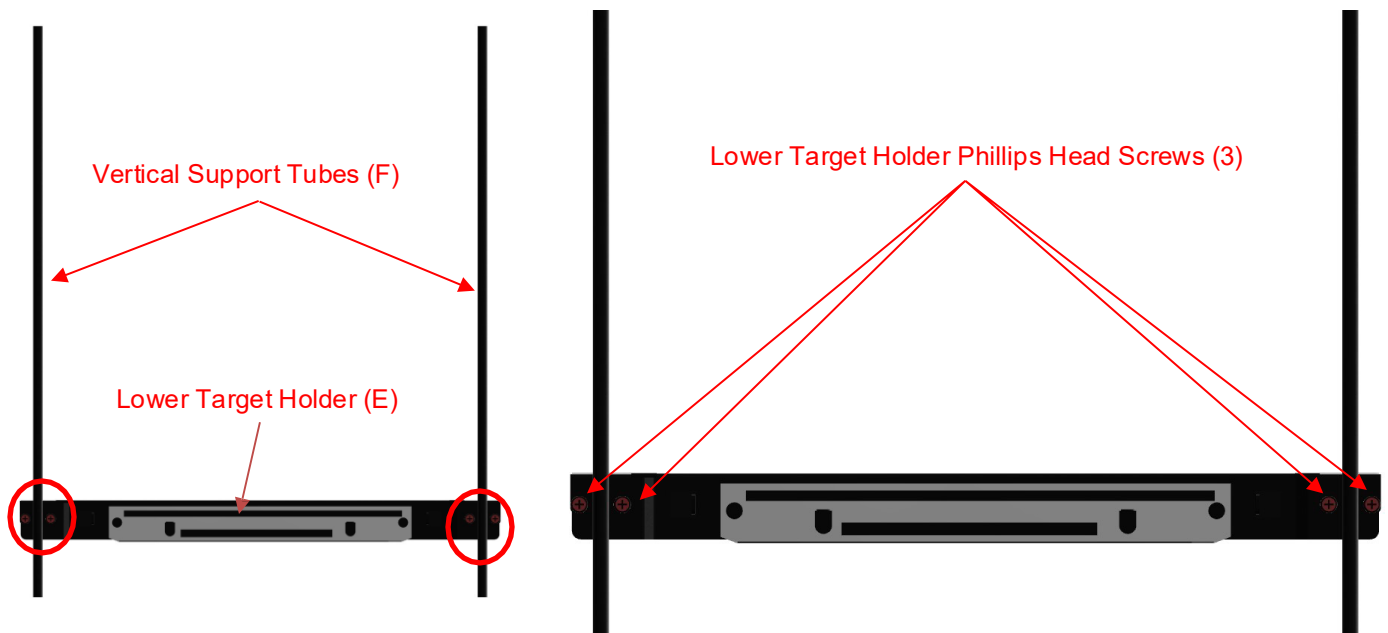
2x Hex Head Bolts (2)

Camera Mount (D)

Horizontal Support Tubes (A)
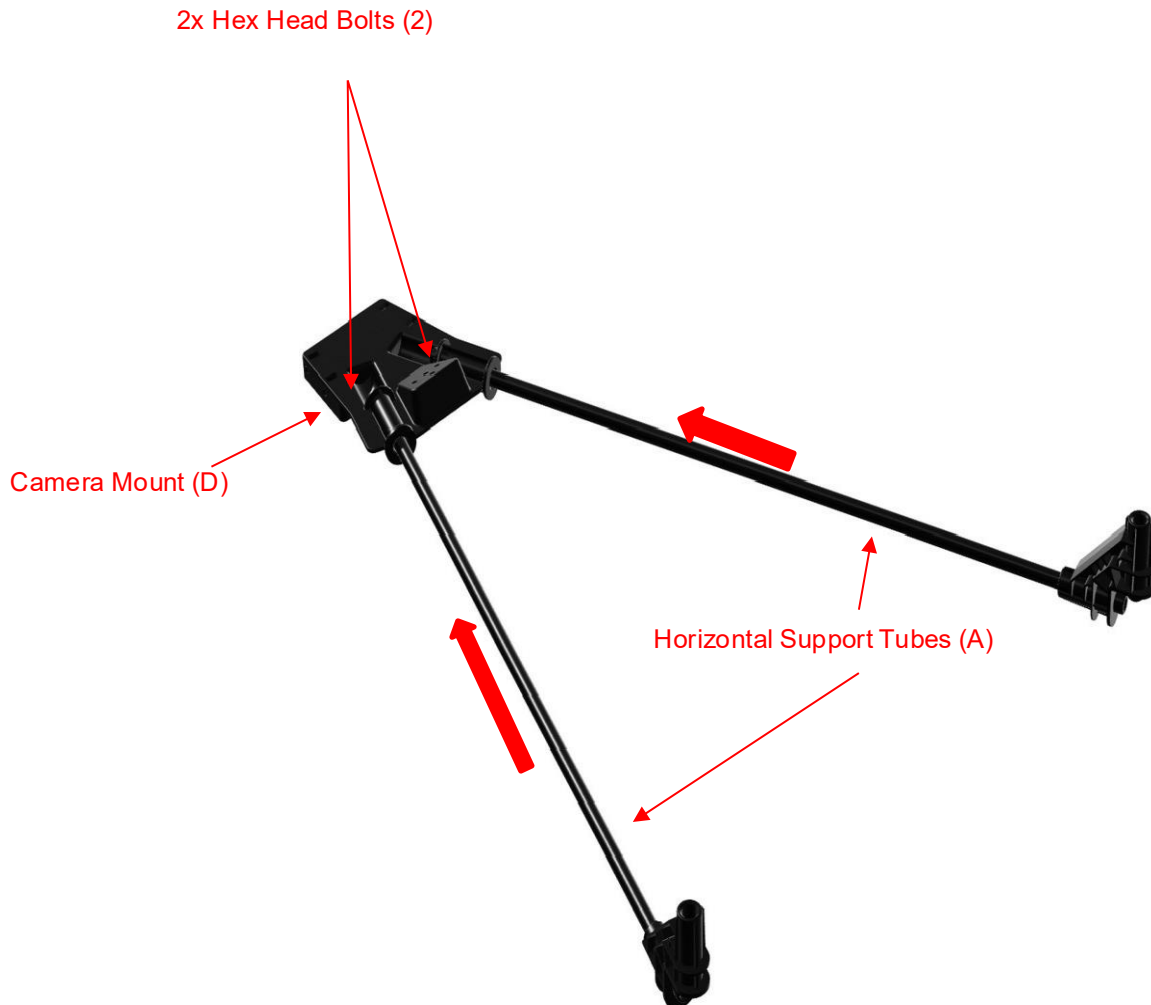
Assembly Steps

3. Attach the Camera Shield (C) to the Camera Mount (D) utilizing the 4x Camera Shield Phillips Head Screws (Pointed) (1) using a Phillips screwdriver. Do NOT overtighten.

Camera Shield (C)

Camera Mount (D)

Camera Shield Phillips Head Screws (Pointed) 1.
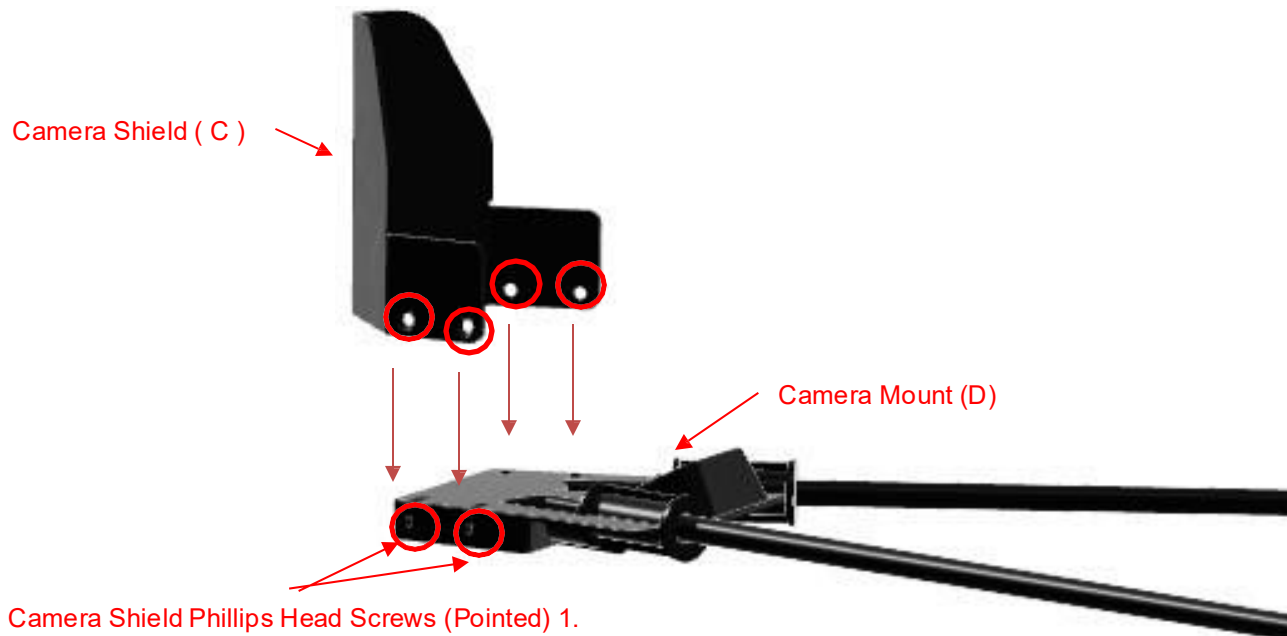
4. Attach the Lower Target Holder (E) to the two Vertical Support Tubes (F) utilizing the 4x Lower Target Holder Phillips Head Screws (Machined) (3) with a Phillips Head Screwdriver. Do NOT overtighten.

Vertical Support Tubes (F)

Lower Target Holder Phillips Head Screws (3)

Lower Target Holder (E)

Assembly Steps

5. With the Lower Target Holder (E) attached from the previous step Insert the two Vertical Support Tubes (F) into the Corners (B). Secure utilizing 2x Hex Head Bolts (2) using an Allen Key/Hex Key. Do NOT overtighten.

Vertical Support Tubes (F)

Insert

Corner (B)

Corner (B)
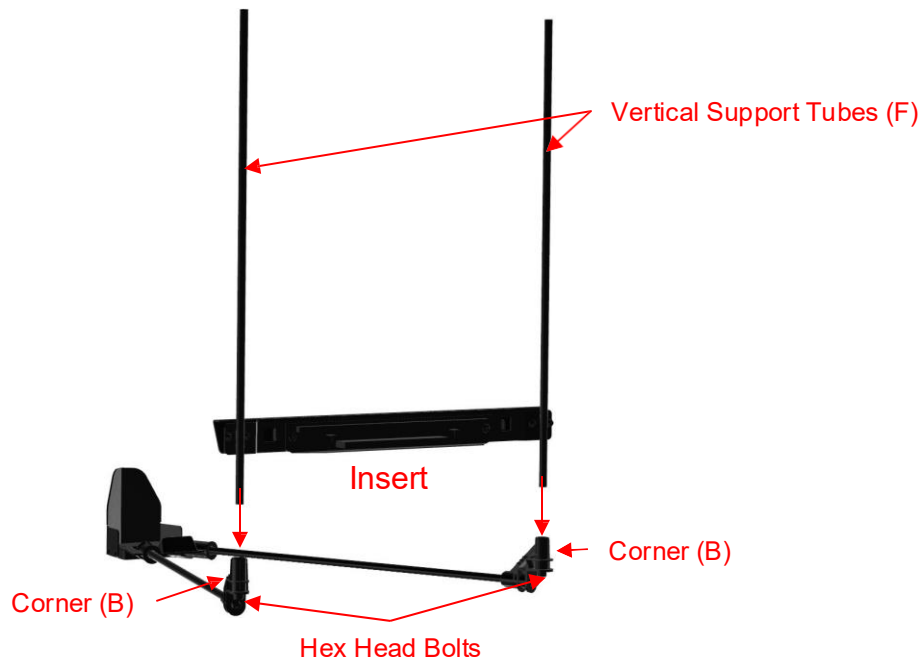
Hex Head Bolts

6. Slide the Upper Target Holder (G) onto the Vertical Support Tubes (F) and secure utilizing 2x Hex Head Bolts (2) using an Allen Key/Hex Key. Do NOT overtighten.

Bolts on Top

Upper Target Holder (E)
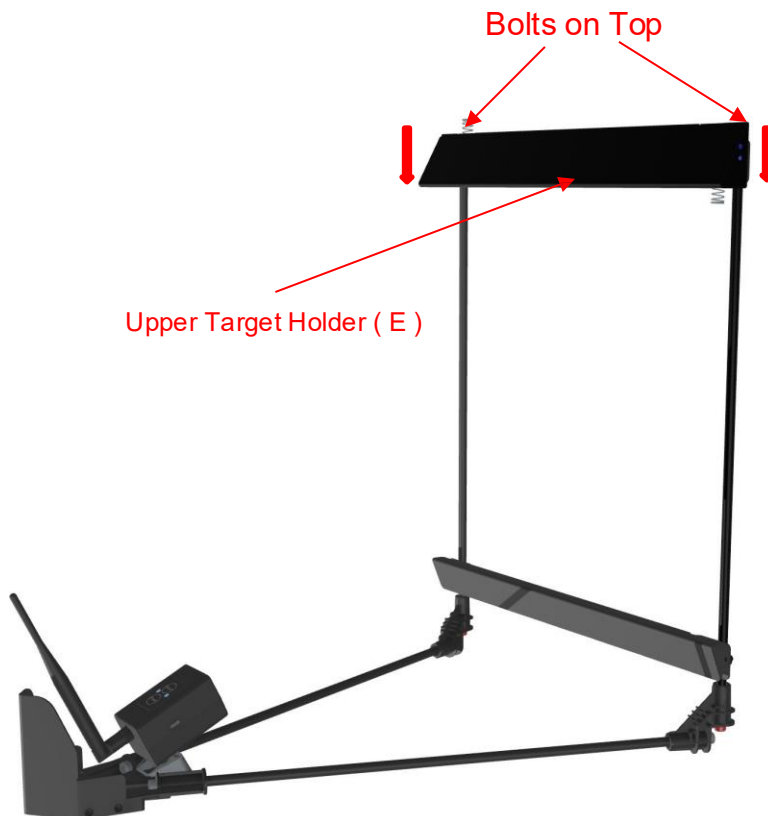
Assembly Steps

7. Attach the Camera Antenna (H) to the Camera (I), then secure the Camera (I) to the Camera Mount (D). To secure the Camera (I) to the Camera Mount (D) align the directional tabs on the bottom of the Camera (I) with the slots on the Camera Mount (D). Insert the 1x Camera Mount Phillips Head Screw (4) through the bottom of the Camera Mount (D) using a Phillips Head Screwdriver to secure the camera in place. Do NOT overtighten the screw.

Bottom View

Camera Antenna (H)

Camera (I)

Camera Mount Phillips Head Screw (4)

Camera Mount (D)

Screw From Bottom

8. Check and tighten all connections, ensuring they are secure without overtightening, as this could cause damage.

NOTICE
All assembly instructions need to be followed in the specified order, as the unit will not assemble correctly if the steps are not completed in sequence.
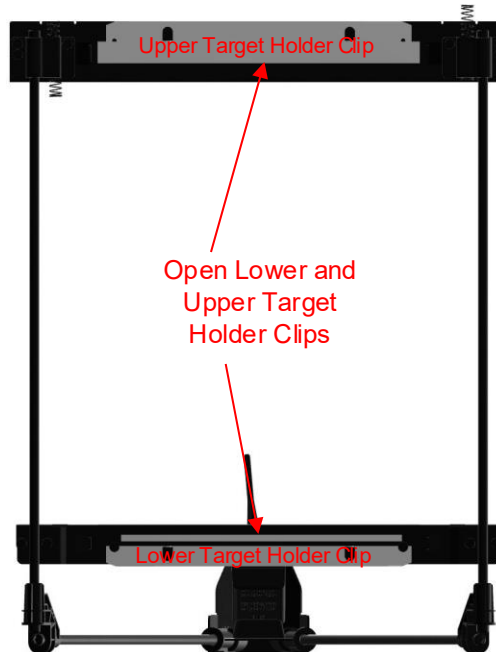DO NOT OVERTIGHTEN COMPONENTS.

Impossible if done out of order
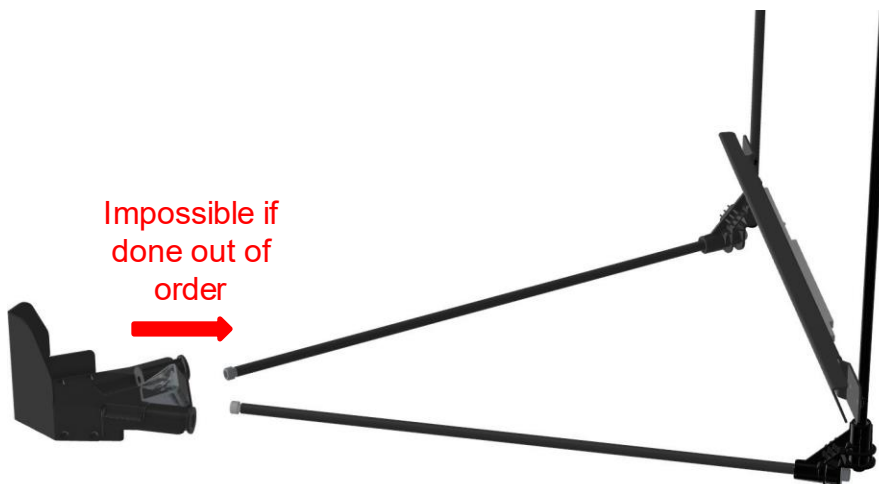
Target Loading Instructions

1. To load the target, start from the back of the shooting system. Open the clips on both the Lower Target Holder (E) and Upper Target Holder (G) to create an opening for the paper target to slide into the clips.


2. Insert the bottom of the target (with the graphics facing the camera) into the Lower Target Holder (E), making sure it is straight, level, and positioned between the target alignment tabs. Then, close the Lower Target Holder (E) clip to secure the target in place. Finally, double-check that the bottom of the target is secure, level, and properly aligned between the tabs.
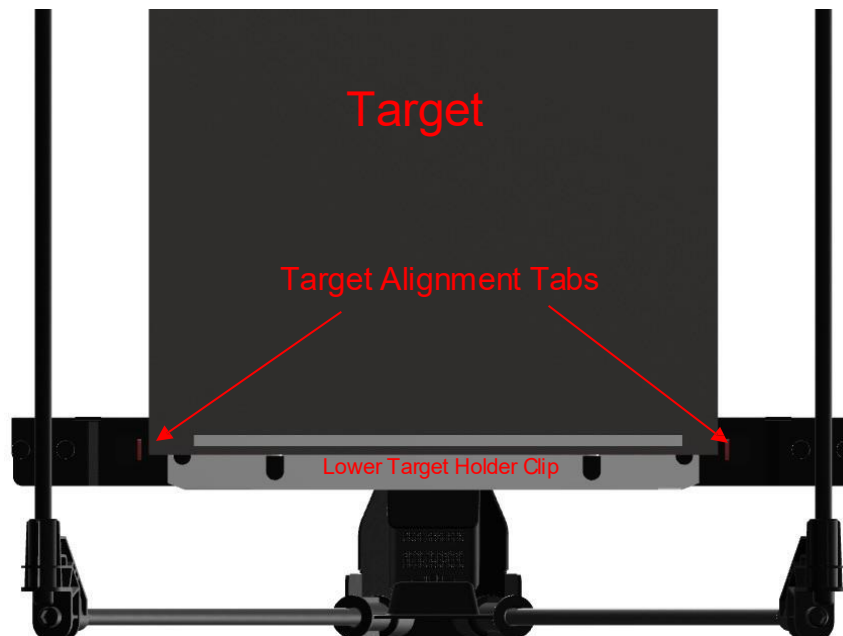
Target Loading Instructions

3.Press down on the center of the Upper Target Holder (G) with your palm to engage the Spring Tensioning System. While maintaining pressure, use your other hand to load the top of the target into the Upper Target Holder (G) clip.

Apply Downward Pressure

Upper Target Holder Clip

Spring Tensioning System
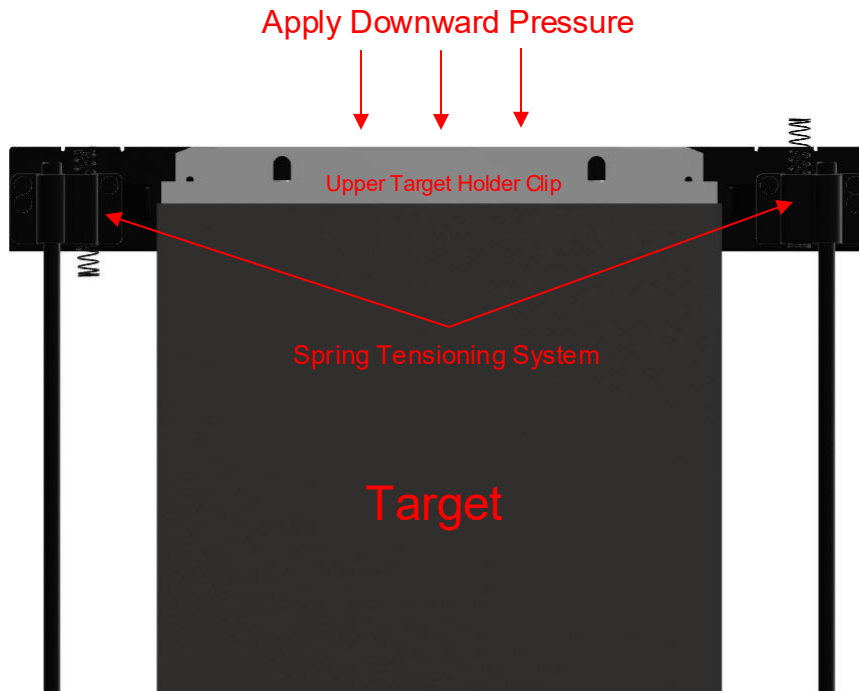
Target

4. Close the Upper Target Holder (G) clip to secure the top portion of the target. Release the downward pressure on the Upper Target Holder (G) to allow the Spring Tensioning System to pull the target taut. The target should now be taut, centered, tightly held, and wrinkle-free.

Taut, centered, tightly held, and wrinkle-free target.

Camera Diagram

Camera Lens

Camera Antenna (H)

LED 1

LED 2

Reset

Power and Reset Buttons

Power

USB-C Charging Port
(USB-C Charging Cable Included in Box)
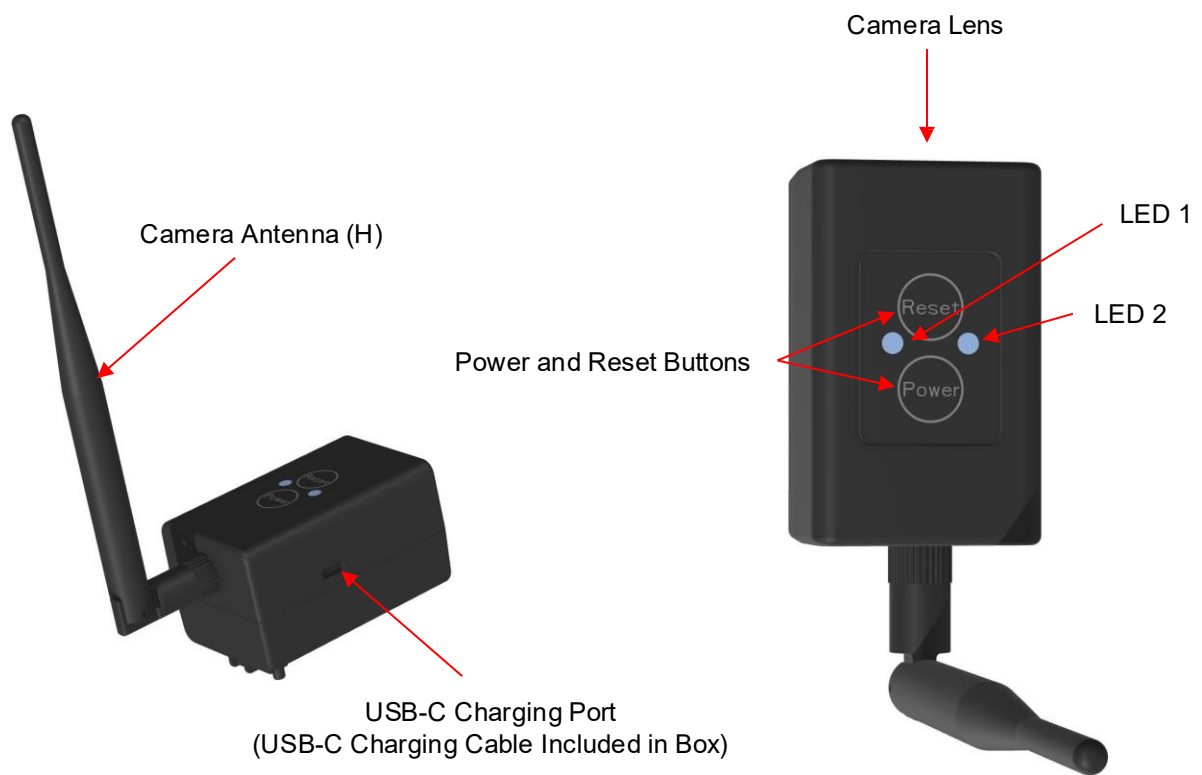
<u>Camera Instructions</u>

Notice: Fully charge the camera before first use by following the instructions below.

Charging the Camera

1. **Connect the USB-C Cable:**
   A. Plug one end of the provided USB-C cable into the camera's charging port.
   B. Plug the other end of the USB-C cable into a power source (such as a USB-C wall charger or power bank).

2. **Charging Indicator:**
   A. The camera's LED light 1 will turn on to indicate that it is charging. (Refer to the LED light Status Indications Table for more details on LED light statuses.)

3. **Charging Time:**
   A. Allow approximately 3 hours for a full charge.

4. **Completion:**
   A. Once the camera is fully charged, the LED light 1 will turn off to indicate that charging is complete. (Refer to the LED light Status Indications Table for more details on LED light statuses.)

5. **Disconnect:**
   A. Unplug the USB-C cable from the camera and power source when charging is finished.

   (The camera can be plugged into a portable power-bank while outdoors to prolong gameplay abilities.)

Camera Instructions

Functions of the Power and Reset Buttons

Function	Fuction Description	LED 1	LED 2	Remarks
Power Button	Turn Power ON	Light ON for 10 seconds	Light ON for 10 Seconds	Hold the button for 2 seconds to power ON
	Turn Power OFF	Light OFF	Light OFF	Hold the button for 2 seconds to power OFF
Reset	Reset the Camera	Fast Flash		Hold the Reset button for 4 seconds to reset to factory settings.

LED Light 1 and LED Light 2 Status Indications

Function	Fuction Description	LED 1	LED 2	Remarks
Power ON Mode	Initial Power ON Startup	Light ON for 10 Seconds	Light ON for 10 seconds	10 seconds after start-up LEDs 1&2 will both begin to indicate battery and Wi-Fi Statuses
Power ON Mode (Battery)	Low Voltage		Fast Flash	Battery has low voltage. Charge Camera
	Charging		Slow Flash	Camera Properly Charging
	Fully Charged		Light On	Camera Battery is Full with or without the USB-C Charging Cable plugged in
	Run Mode (ON)		Light On	Camera is on and running (with or without charging cable plugged in)
	No Power (Dead Battery)		Light OFF	Charge Camera
Power OFF Charging Mode	Charging		Light ON	The Camera is OFF and the Camera is Charging
	Fully Charged		Light OFF	The camera is off, the USB-C Charging Cable is plugged in, and the camera is fully charged.
APP Mode		Slow Flash		Update Mode
Update Mode	Firmware Update (Automatic)	Slow Flash		Light flashes while updating firware, after firmware update.

Connecting the Wi-Fi Camera to Your Mobile Device

1. Download the Daisy Smart Target System App

•Download and install the Daisy Smart Target System app from the Apple App Store (iOS) or Google Play Store (Android).

2. Power On the Camera

•Ensure the camera is fully charged.

•Press and hold the power button for 2 seconds.

•LED 1 and LED 2 will light up for 10 seconds, indicating the camera is powered on.

3. For Apple (iOS) Devices:

• Open **Settings > Wi-Fi** on your iPhone or iPad.

• Look for a network named **"Daisy#######"** .

• Tap to connect, and enter the password: **daisy20251212**

• Wait for the checkmark to confirm connection.

• If you see a "No Internet Connection" warning, this is normal.

• Once connected, return to the app and launch a game to begin calibration.

Important: You must connect to the camera's Wi-Fi **before** opening the app.**.**

Connecting the Wi-Fi Camera to Your Mobile Device

4. For Android Devices:

• Open the app and launch a game.

• A **"Connecting to Camera Wi-Fi"** screen will appear.

• Tap the **"Connect"** button.

• A popup will ask: **"Choose device to use with Daisy STS."**

• Select the camera name (e.g., **Daisy#######**) from the list.

• You'll see a **"Connection Successful"** message.

• The app will switch to the camera's Wi-Fi automatically and move to the **calibration screen**.

No manual Wi-Fi setup is needed.

Important: On Apple (iOS) Devices Connect to Wi-Fi BEFORE Opening the App

•On Apple (iOS) devices, always connect your phone or tablet to the camera's Wi-Fi before launching the app.

•If the app is already open when connecting to Wi-Fi, it may not detect the camera.

Getting Started with the Daisy Smart Target System App

Follow these steps to set up and start using the Daisy Smart Target System app:

1. Download and Launch the App

•Install the Daisy Smart Target System app from the App Store (iOS) or Google Play (Android).
•Open the app once the installation is complete.

2. Accept Terms and Permissions

•Upon startup, review and agree to the Terms and Conditions.
•If prompted, allow the app to find devices on your local network to ensure proper connectivity with the target system.

3. Create an Account

•Enter a username and follow the on-screen instructions to create your account.
•Check your email for a verification link and click it to activate your account.

4. Access the Startup Menu

•After verification, the startup menu will appear.
•From here, you can access game modes, settings, and other features.

5. Choose Your Game and Mode

•Select from the available game options, including single-player and multiplayer modes in the selected game.

6. Follow Safety Protocols

•Always adhere to the instructions and safety protocols outlined in these instructions to ensure safe and proper use.

Getting Started with the Daisy Smart Target System App

7. Calibrate the Camera
•Upon starting a game, you will be prompted to calibrate the camera.
•The calibration screen will display a live camera feed of the loaded target.
•Ensure the four QR codes on the target align correctly within the four red boxes on the screen.
•Make sure the paper target is loaded properly according to the "Target Loading Instructions" provided above.

8. Start Calibration
•Tap the "Start Calibration" button on the calibration screen to begin the process.

9. Game Launch
•The game will launch once the camera is calibrated to the target.

10. Follow In-Game Instructions and Enjoy!
•Follow the on-screen instructions to play the game.
•Have fun improving your shooting skills with the Daisy Smart Target System!

Wi-Fi Camera Troubleshooting Guide

1. Camera Won't Turn On
- Ensure the camera is fully charged. Try plugging it into a power source.
- Press and hold the power button for at least 2 seconds.
- If the LED indicators don't light up, reset the camera.

2. Camera's Wi-Fi Network Not Appearing
- Make sure the camera is powered on.
- Move your phone or tablet closer to the camera.
- Turn your device's Wi-Fi off and back on.
- Restart the camera by turning it off and on again.
- Check if other devices can see the Daisy####### Wi-Fi network.

3. Unable to Connect to the Camera's Wi-Fi
- Ensure you are selecting the correct network: "Daisy#######".
- Enter the correct password: **daisy20251212**.
- Forget the Wi-Fi network in your phone's settings and reconnect.

4. Wi-Fi Connection Drops or Lags
- Stay within 30 feet of the camera for a strong connection.
- Avoid interference from other wireless devices or metal objects.
- Restart the camera and reconnect to the Wi-Fi network.
- Try connecting with another phone or tablet to see if the issue is device-specific.

5. Important: Connect to Wi-Fi BEFORE Opening the App
- On Apple (iOS) devices, always connect your phone or tablet to the camera's Wi-Fi before launching the app.
- On Apple (iOS) devices, If the app is already open when connecting to Wi-Fi, it may not detect the camera.
- **Solution:**
    - Close the app completely (swipe up to force close).
    - Connect to the camera's Wi-Fi in Wi-Fi Settings.
    - Reopen the app.

6. Phone Warning: "Weak Security" on Wi-Fi
- Phones may display a "Weak Security" warning when connecting to the camera's Wi-Fi.
- This is not a security risk—the connection is a direct link to the camera and does not provide internet access.
- Your phone is simply detecting that the connection does not have advanced encryption, but this does not impact safety or performance.

Camera Warnings

1. Keep the Camera Dry
The camera is not waterproof. Do not expose it to rain, water, or store it in wet environments. Moisture can damage the sensitive electronics inside the camera.

2. Protect the Antenna
Always rotate the antenna to the side, ensuring it is out of the line of fire. BBs can damage the antenna if it's in the direct path of projectiles.

3. Use the Camera Shield
Make sure the camera shield is securely in place to protect the camera from being hit by projectiles during use.

4. Air-guns Over 600 FPS
Air-guns with velocities greater than 600 FPS can damage both the shooting system and the camera. Do not use such air guns with this system.

5. Keep the Camera Lens Clear
Ensure no objects block the camera lens during setup or gameplay. The lens must have a clear, unobstructed view of the target to function properly.

6. Avoid Direct Sunlight
Direct sunlight can overheat the camera, similar to how it can affect mobile devices. Try to keep the camera out of direct sunlight to avoid performance issues.

Gameplay Optimization

1. Choose a Well-Lit Setup Area

For optimal performance, set up the system in a well-lit area. This helps the camera properly detect and track shots.

2. Minimize Shadows

Avoid large or moving shadows across the target, as these can interfere with the camera's ability to accurately read shots. Moving shadows from trees, leaves, or other objects can cause misreads.

3. Avoid High Winds

High winds can cause the target to move, leading to inaccurate readings. Try to shoot in calm conditions for the best results.

4. Prevent Reflections

Ensure that the camera lens is not exposed to direct sunlight, as reflections and glares on the lens can confuse the camera and cause it to misread shots.

5. Properly Load the Target

Make sure the target is loaded correctly and is taut as per the instructions. This ensures proper functionality during gameplay.

6. Check QR Codes on the Target

The QR codes in the four corners of the target must be visible and undamaged for the camera to properly recognize and map the target.

SAFETY

Always keep the muzzle pointed in a safe direction.
There are several safe "carries" depending on the situation. NEVER ALLOW THE MUZZLE TO POINT IN THE DIRECTION OF A PERSON.

Treat every gun as if it were loaded.
You can never be positive that you were the last person to handle the gun. Never take anyone's word about whether or not a gun is loaded. Always check a gun to see if it is loaded when removed from storage or received from another person. Even if you have fired an air-gun one or more times and no pellet or BB was expelled from the barrel, it does not mean that the magazine of the gun is empty of ammunition. Any air-gun can fail to feed for any number of reasons. Continue to treat the air-gun as loaded and ready to fire. ALWAYS TREAT A GUN AS IF IT IS LOADED EVEN IF YOU KNOW IT ISN'T.

Only load or cock a gun when you are shooting.
A loaded gun has no place in your home or other place.

Check your target and beyond your target.
Be sure all persons are well clear of the target area before you shoot. Check behind and beyond your target to be certain you have a safe backstop and that no person or property could be endangered.

Anyone shooting or near a shooter should wear shooting glasses.
Also, all other persons should remain behind the shooter.

Never climb or jump with a gun.
You can't control the direction of the muzzle if you stumble or fall. You should safely lay the gun down or hand it to a companion while you climb or jump over anything.

Avoid ricochet
Never shoot at a flat hard surface or at the surface of water. Ammunition can ricochet off of water just like a skipped rock.

Keep the muzzle clear.
Never let anything obstruct the muzzle of a gun. Don't allow the muzzle to come in contact with the ground.

Guns not in use should always be unloaded.
Keeping guns unloaded when not in use is critical to the safety of you and others. When you are finished shooting, put the trigger safety in the "on" position and unload the gun. Store guns so that they are inaccessible to untrained shooters and store ammunition separately from the gun.

Respect other people's property.
Whether you're target shooting or hunting, if you're a guest on others' land, you should leave it exactly as you found it.