Caldwell® Shooting Supplies

Ballistic Precision TARGET CAMERA SIGHT-IN

Instructions #1100864 REV. A
Product #1099107

INSTRUCTIONS

STOP! If you have a problem with this product, DON'T RETURN IT TO THE STORE WHERE YOU PURCHASED IT. Contact customer service at...

Battenfeld® Technologies, Inc.
2501 LeMone Industrial Blvd. / Columbia, MO 65201
573-445-9200 / Email: sales@btibrands.com
Or vist our website @ www. BTIbrands.com

NOT WARRANTED AGAINST MISUSE, ABUSE, OR COMMERCIAL USE.

Limited Warranty

Every Caldwell product is warranted to be free of defects in materials and workmanship for a period of one (1) year from the date of original purchase. Caldwell will, at its option, repair or replace without charge, except for transportation costs, parts that fail under normal use and service when operated and maintained in accordance with our Instructions. This warranty does not apply to normal wear or to items whose life is dependent upon their use and care. This warranty is in lieu of all other warranties, expressed or implied and releases Caldwell, its affiliates, and its vendors from all other obligations and liabilities.

CONTENT

A. HD Camera
B. Flexible Camera Mount
C. Long Distance Transmitter
D. Router Stand
E. Router Stand Stake
F. Wall Charger
G. Storage/Carrying Case (not shown)

This system is designed to deliver a live video stream of a target to the shooters location up to 400 yards away.

WARNING **This product contains rechargeable batteries that might require special handling at end-of-life. Please consult your local authorities for proper recycling/disposal instructions**

WARNINGS

WARNING Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

2. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

3. Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

4. FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons.

5. The device must not be co-located or operating in conjunction with any other antenna or transmitter.

POWER OPTIONS

Internal Lithium Ion Battery (Standard Use)

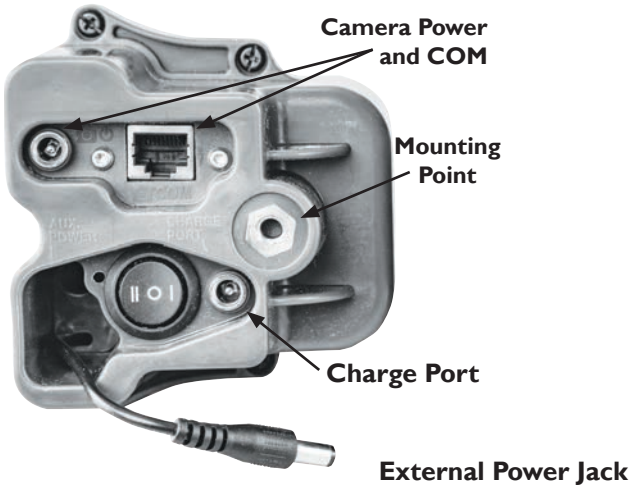
- The transmitter includes an integrated Lithium Ion battery packs for ease of use. The transmitter can operate for up to 6 hours on a single charge.

External Power Options (Extended Use)

- Only required when continuous run time is greater than 6 hours.

- The transmitter includes an external power jack. This allows the user to utilize an external power source. This power jack is a standard male 2.1 x 5.5mm jack.

Transmitter **(Photo 1)**



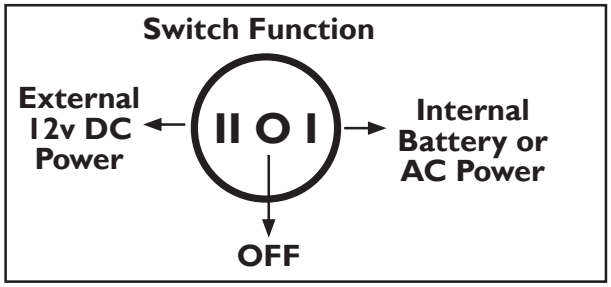
- The cord, with male 2.1 x 5.5mm jack, can be directly plugged into most standard 12V Battery Banks. **(Photo 1)**

- You can also connect the male 2.1 x 5.5mm jack to a fused wiring harness designed to work with terminal batteries, such as deep cycle batteries.

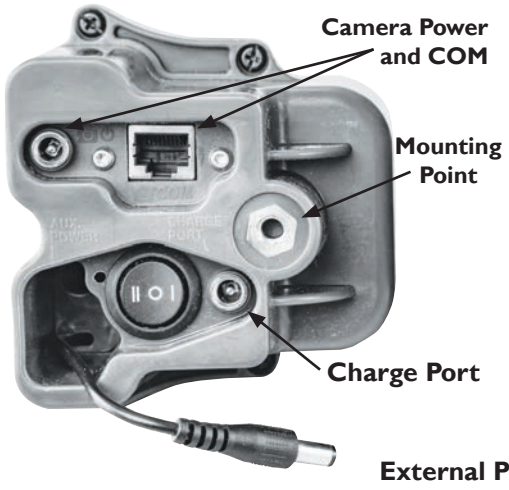
AC Power

- This kit comes with an AC Wall Charger. The transmitter can operate on the AC Wall Charger alone, by connecting the charger to the charge port, if AC power is available. **(Photo 2)**

NOTE: Never connect anything except the included AC wall charger to the charge port



Transmitter **(Photo 2)**



SETUP

Read through entire instructions prior to beginning setup

Smartphone Connectivity

1. Go to the appropriate application marketplace for your smartphone/mobile device and search for "Caldwell Ballistic Precision Target Camera".

2. Alternatively, http://www.btibrands.com/ provides direct links to the appropriate apps for the different mobile platforms supported by Caldwell.

3. Once the app is installed you will see the Caldwell Ballistic Precision Target Camera app icon in your smartphone home screen.

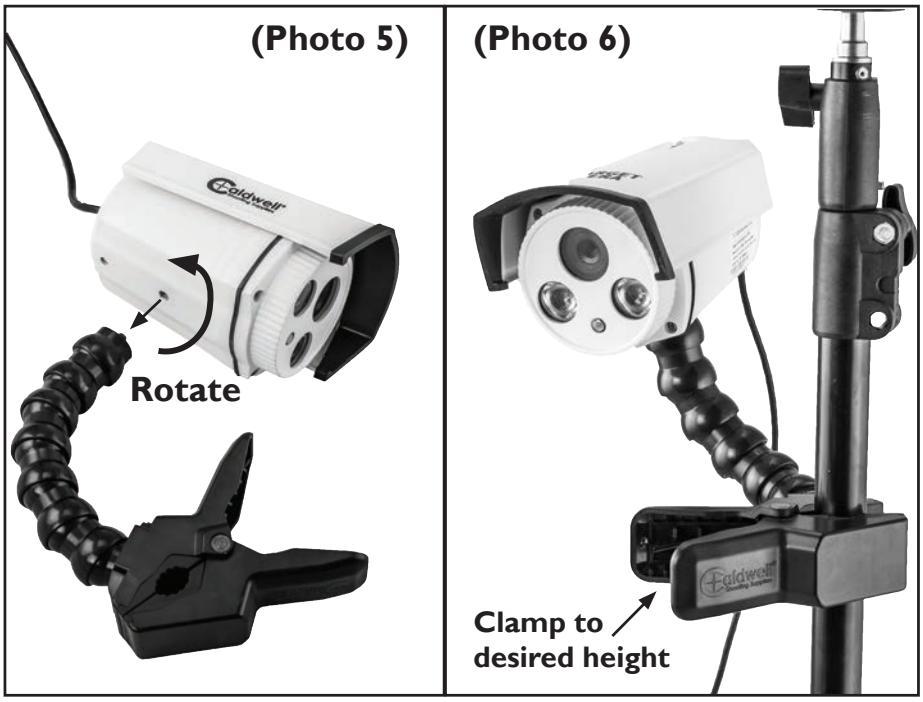
Transmitter Station Setup

- Position the Transmitter Station with consideration in avoiding likely bullet path
- Deploy Router Stand
- Attach Transmitter to Router Stand **(Photo 3)**
- Adjust the Router Stand, until it is level and then use one of the Router Stand Stakes to anchor the Router Stand **(Photo 4)**
- Extend Stand height. For optimal performance over long distances, extend the Router Stand height to the maximum height.
- Point the front of the transmitter towards the shooting bench **(Photo 3)**
- Install Camera on the Camera Mount **(Photo 5)**

NOTE: Storage case is designed to store the Camera assembled on the Camera Mount

(Photo 3)

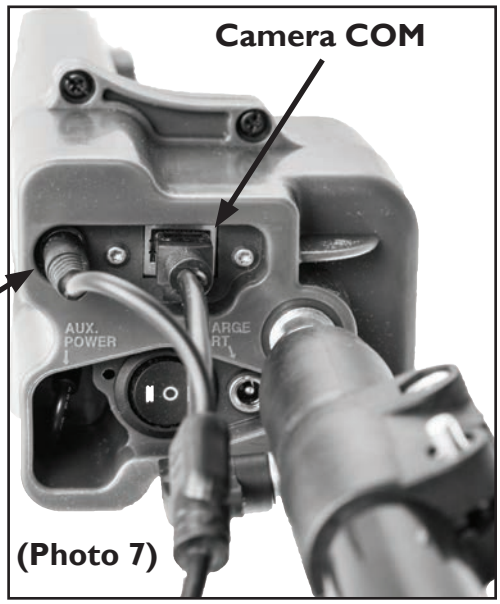
(Photo 4)



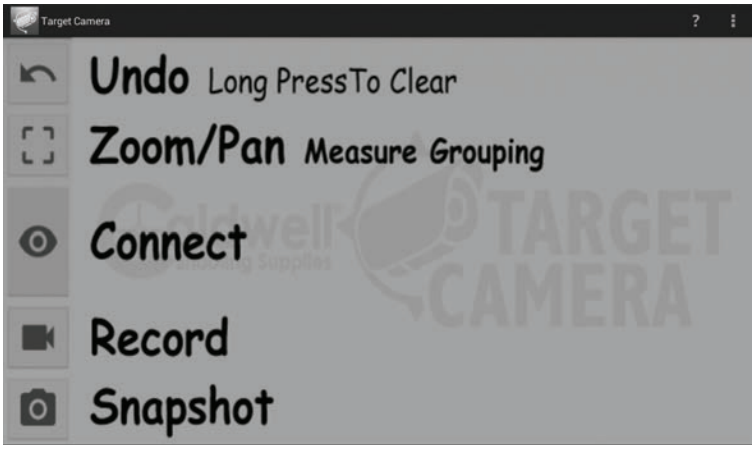
- Attach Camera Mount to the Router Stand at the desired height **(Photo 6)**
- Connect the Camera power connector and communication connector **(Photo 7)**
- Power on the transmitter, select either External or Internal power
- Connect the Smartphone/tablet to the Wi-Fi network Transmitter(Your router number will follow "Transmitter")

- Open the app, and check the alignment of the camera, and adjust as needed. You want to adjust the camera to center the target in the viewing window on your device. The app allows you to zoom and pan for additional target centering.
- Review your Transmitter Station position, as zooming and panning may allow you to reposition if desired.

TIP: Before going up range, turn on the Transmitter and connect your phone/tablet to the Transmitter to verify the video is transmitting to the Smartphone or Tablet



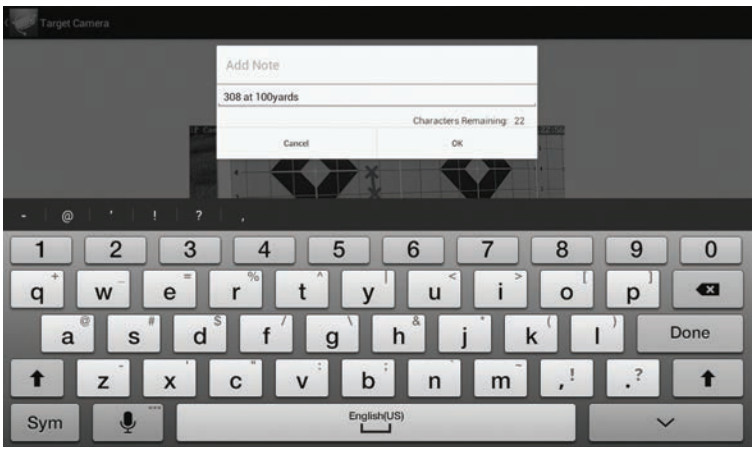
APPLICATION INSTRUCTIONS

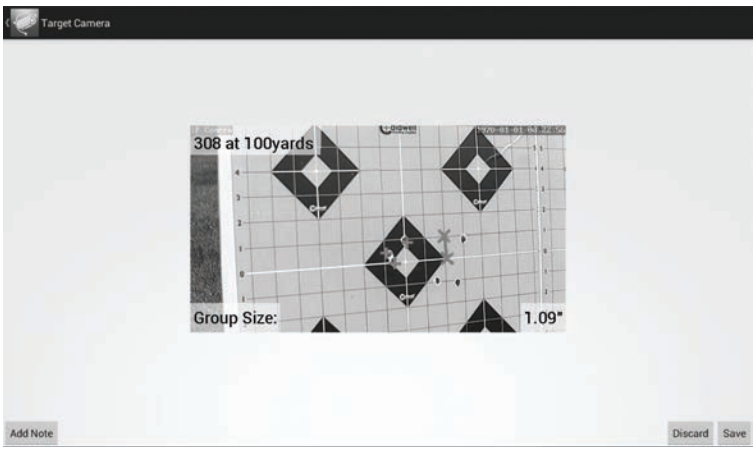


- The app provides live stream of the target to the user
- The Connect/Disconnect button turns the camera display on/off

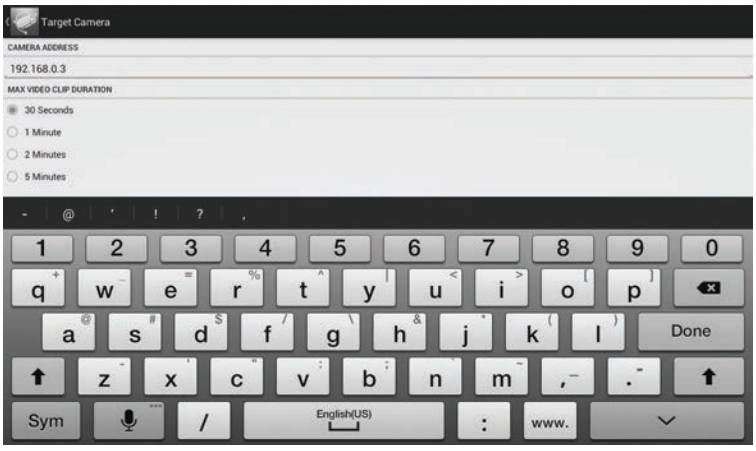
NOTE: This can be used as a master reset button, by cycling the camera off then back on

- The Snapshot button can be used to save a screenshot of the live video stream
- You can add a custom note to the image before saving (Example: ".308 Win, 100 Yards, Target 1)





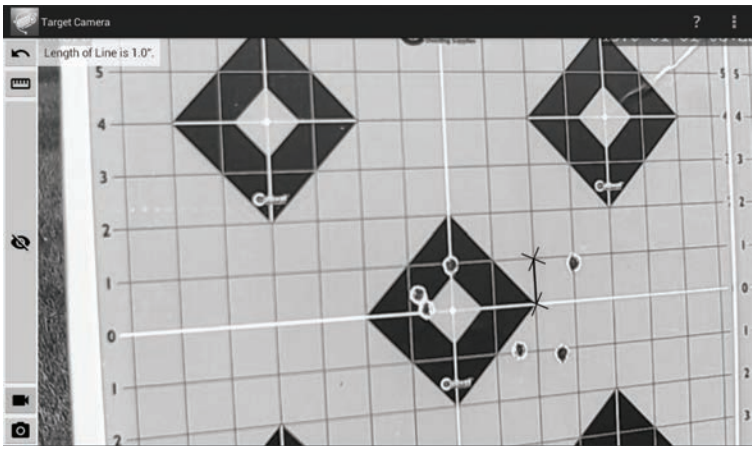
- The Video button can be used to save a video from the live video stream
- The video length can be adjusted in the settings tab



- The Group Size calculator can be used to calculate the group size on a target

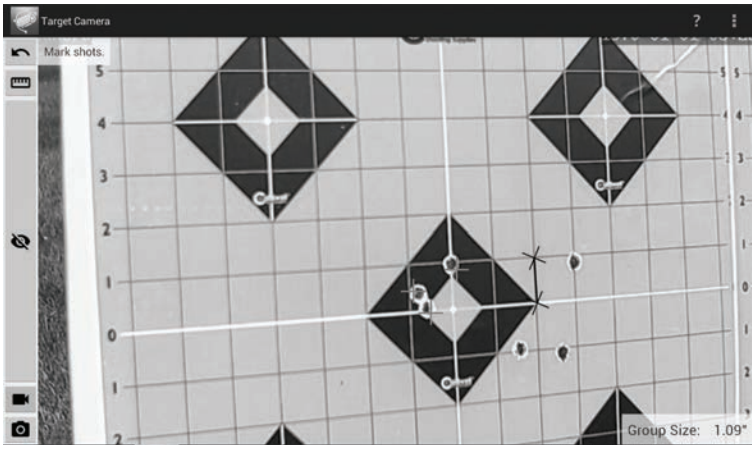
STEP 1 - Click Zoom/Pan measure grouping icon

STEP 2 - Draw a line, of known length close to the group (Example: Most grid/line spacing on standard targets are spaced at 1")



STEP 3 - Enter the length of the line drawn in STEP 2

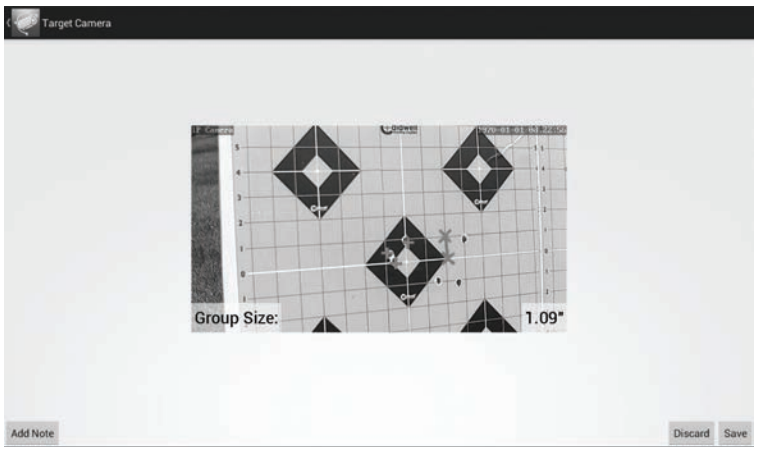
STEP 3 - Select all of the target hits. Click the screen to drop a marker, and once the marker is dropped it can be adjusted by clicking and dragging the marker



- Once all of the target hits have been selected, the group size will be displayed in the lower right corner

NOTE: By using the Snapshot button, you can save a screenshot of your calculated group. Only one group size can be calculated and saved per target image screenshot.

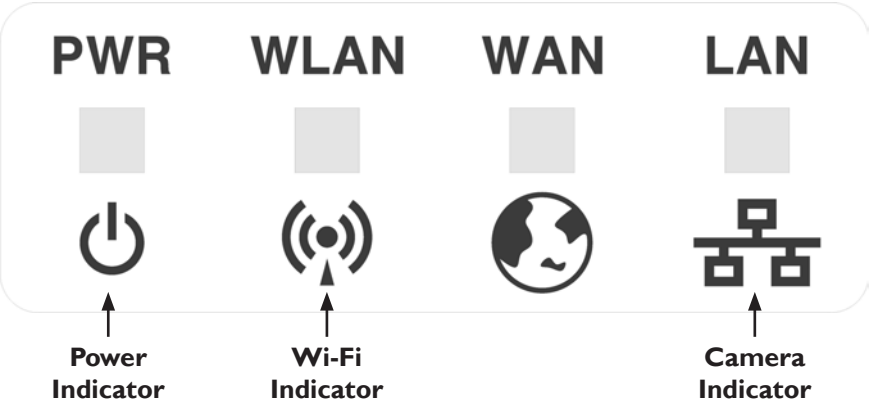
- To clear the group, or back up one step, use the Back button or simply use the Connect/Disconnect button to cycle the camera.



GENERAL RECOMMENDATIONS

- Although this system is designed to be weather resistant, it is not recommended that the device is left outside for extended periods
- Always store your device in a dry location
- Do not submerge any of the components
- When transporting the device, use the storage/carry case to protect the components during transport
- Do not store the device with depleted batteries. It is recommended to charge the batteries before storing for an extended period
- Use a lens cleaning cloth for cleaning the camera lens
- Clean dirt and debris off of components prior to storage, to prevent corrosion

TIPS



- Ensure clear line of sight between Transmitter and Smartphone or Tablet
- Extend Router Stand height to the max height
- If multiple systems are being used, take note of your router number to connect to the correct Wi-Fi network.
- When using the charger, the light on the charger will be RED during charging and GREEN when fully charged.

NOTE: If the video does not appear in the App, turn the Transmitter OFF and back on. Then recheck the video stream.

Battenfeld® Technologies, Inc.
2501 LeMone Industrial Blvd. / Columbia, MO 65201
573-445-9200 / Email: sales@btibrands.com