THE MARKSMAN
300 YARD TARGET CAMERA

USER MANUAL

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LONGSHOT™
TARGET CAMERA

At LONGSHOT, our goal is to treat you as we would like to be treated and to treat you as we imagine Christ might treat you. It's that reason that drives us to make the best target cameras available and to provide the best customer service that we can. In constructing this manual, we've done our best to address any questions or concerns that you may have, but we're human too and... we may have missed something; so, if you have any questions or concerns that aren't addressed in the manual or you just prefer to talk to someone, don't hesitate to reach out to us.

Sincerely,

Clay Rhoden
Founder

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COMPONENTS & FEATURES

COMPONENTS

Each Marksman system comes with the following components:

| Marksman Camera | Tripod | Soft Carrying Case | Charger |

FEATURES

LONGSHOT'S wireless, portable, and battery powered target camera systems set up adjacent to your target and 10-15 ft back; the camera can be moved within that range to adjust the field of view. Since the Longshot Marksman is positioned down range by the target, you'll never have to worry about fighting mirage to see your shots again. With a runtime of 9 hours, the TargetVision Marksman allows you to view the target remotely on your tablet or phone via an easy-to-use free app (track and number shot, save photos, review sessions, record video and stills). No cell or WiFi service is required. You'll have live HD video at your fingertips, making it easy to see where your shots are hitting. Seeing your shot has never been easier.

- Straight Shooter 300 Yard Guarantee
- CrispEdge 2688 x 1512 Ultra HD Imagery
- All-Axis Camera Adjustment
- OverObstacle Design
- Blinker Shot Locator
- Includes: Camera, Soft Case, 1 Tripod, Charger

SETUP & USE

INSPECTION

Please inspect your Marksman system before use to ensure that all components listed on page 2 are present. Prior to first use, you should fully charge the system.
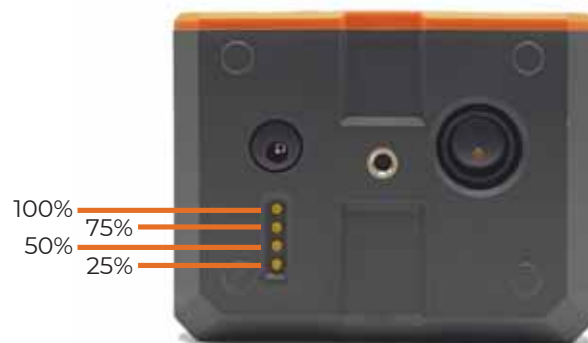
CHARGING

Use only the included charging adapter to charge the system. The included adapter is rated for power input of 100V - 240V and power output of 16.8V DC at 800mA. The adapter is intelligent and will stop charging the system once the battery is fully charged. Your Longshot system should be turned off while charging. Please allow up to 4 hours for the camera to fully charge.

Charger LED Color	Charge Status
Green	1. **Default state** - plugged into the wall and not yet plugged into a camera system 2. **Fully Charged**
Red	1. **Charging**

BATTERY LEVEL INDICATOR

On the bottom of the camera system, there are 4 LED's that indicate the battery's charge level. Each LED represents 25% of the battery life. When the battery level becomes too low for the system to operate, the LED's will flash and the system will turn off. You may also notice a slight delay from the time you flip the power switch until the time the lights come on, this is a result of the circuitry within the battery level indicator board and is standard operation.

CAMERA SETUP

When setting the camera up down range, there are two critical steps to ensure the optimal experience.

1. **Determine the appropriate distance from the target:** The camera is designed to be in focus when set up approximately 8-16 ft. from the target. Depending on the size of your target and your desired field of view, you will need to move the camera within this range until you are satisfied with the field of view. It is recommended that you get the camera as close as possible while still maintaining a full view of the target and keeping the image in focus.

Move the camera closer to or further from the target until you have the entire target in the frame.

8 - 24 ft.

Camera Field of View Chart (W x H)			
Distance from Target	FOV	Distance from Target	FOV
6'	22" x 16"	16'	65" x 38"
8'	34" x 20"	18'	73" x 43"
10'	40" x 25"	20'	82" x 48"
12'	49" x 29"	22'	90" x 52"
14'	57" x 33"	24'	98" x 57"

CAMERA SETUP

2. Aim the camera housing and ball: After determining the correct distance from the target to set the camera up, you will need to 1. aim the back of the camera housing towards your shooting position and 2. aim the camera ball to look at the target. To aim the camera housing towards your shooting position, simply stand in front of the camera and look back to your shooting position over the top of the camera. The alignment does not have to be exact but you want to be sure the camera is pointed back in the general direction of your shooting position and that the housing is not pointed towards the ground. After aiming the housing, use the live video feed from the app to aim the camera ball and get the desired view of your target.

**1. Aim Back of Camera
to Shooting Position**

**2. Aim Camera Ball
to Target**

SETUP & USE

CONNECTION

Before connecting to your camera, it is recommended to download the TARGETVISION application from your device's app store.

Connecting to your Marksman is as simple as connecting to a WiFi network. Simply turn the camera on, go into the WiFi settings of your device, locate and connect to the camera's network:

- **SSID:** MARKS-3XXXXX
- **Password:** longshot

Once you have established a connection, open the TARGETVISION application on your device and use the live video feed to adjust the aim and position of your camera.

Please note: Once connected to the WiFi network
- Apple devices may warn that there is "no internet connection" available
- Android devices may warn that "internet may not be available"
This is normal and nothing to be concerned about. There is not internet available when you are connected to your camera's network. Please proceed by opening the Targetvision app and you should see a camera feed.

APP BASICS

DOWNLOAD

The TARGETVISION app is a free app that is only available for iOS and Android devices. To download the app, please navigate to your device's app store (the App Store for iOS and the Play Store for Android), search for TARGETVISION (all one word), and choose install. Once the app has been installed, you will need to connect to your camera's WiFi network to see the video feed.

Apple App Store	Google Play Store	TARGETVISION App

TARGETVISION App is only compatible with:
Android version 5.1 or higher | iOS version 8.0 or higher

APP OVERVIEW

The TARGETVISION App allows you to see and interact with your target like never before. The app has a clean and simple user interface that maximizes the utility of your device's screen by showing the camera feed across the entire screen and keeping buttons unobtrusive yet accessible with our most popular features only a tap away. More advanced features are stored within the options menu while settings, support, and media files can be found within the main menu.

Due to the nature of the iOS and Android operating systems, our software must be developed independently to work properly on each platform, essentially doubling our software development time and cost. Currently, we must implement significant user interface and/or feature updates on one platform at a time. This fact has lead to a difference in the user interface and feature set of our iOS and Android apps, which you will see reflected further in the guide below.

Please keep in mind that software development is a very costly and time consuming process. We appreciate your patience and feedback as we continue to improve.

APP
FEATURES

iOS BUTTONS & LAYOUT

The TARGETVISION iOS app is simple and easy to use with the most used features only a tap away. The screen shots below show the three main screens, the home screen, main menu, and shooting options menu. Please reference the icon guide below the screenshots for an explanation of the home screen icons and continue reading for more details on how each feature works.

MAIN MENU

HOME SCREEN

SHOOTING OPTIONS

⊕ BLINKER SHOT LOCATOR	↩ UNDO SHOT MARKER	⊙ SNAPSHOT	☰ MAIN MENU
◉ SHOW/HIDE MARKERS	⊞ CAMERA SELECTOR	🎥 RECORD	⚙ SHOOTING OPTIONS

APP
FEATURES

ANDROID BUTTONS & LAYOUT

The TARGETVISION Android app is simple and easy to use with the most used features only a tap away. The screen shots below show the three main screens, the home screen, main menu, and shooting options menu. Please reference the icon guide below the screenshots for an explanation of the home screen icons and continue reading for more details on how each feature works.

MAIN MENU

HOME SCREEN

SHOOTING OPTIONS

BLINKER SHOT LOCATOR	UNDO SHOT MARKER	TAP TO SNAPSHOT	MAIN MENU
SHOW/HIDE MARKERS	CAMERA SELECTOR	HOLD TO RECORD	SHOOTING OPTIONS

APP FEATURES

BLINKER SHOT LOCATOR

With the Blinker Shot Locator feature, it's quick and easy to find your your newest bullet hole. Simply touch the shot locator icon and your most recent bullet hole will start blinking, making it a breeze to find.

For the feature to work correctly, you must tap the shot locator button after each shot you take. This is because the feature takes a snapshot of your target each time you tap the button and then alternates between the last two images of your target to blink your last shot. If you don't tap the button after each shot then you will likely begin to see multiple holes flashing, because the software is just comparing the most recent snapshot to a snapshot of the target the last time you pushed the button.

SHOT MARKING

Shot Marking is one of the core features of the TARGETVISION app. It allows you to keep track of your shots by simply tapping on them as they appear. As you tap, the app will place a semi-transparent marker over the image and will auto number the markers as well. You can adjust the marker size and color via the options menu as well as mark groups of shots different colors. Shot markers cannot be moved once they have been placed but you can undo shot markers with the undo button or remove all markers currently on the screen with the "Reset Overlays" button in the options menu (currently only available on iOS).

MARKER SIZE

The Marker size option allows you to roughly match the size of the shot marker to the size of your bullet hole. Once you select a marker size, that selection is saved as the default marker size until you change it again.

APP
FEATURES

MARKER COLOR/MARKING GROUPS

Changing the marker colors and marking groups are done differently on iOS and Android. The biggest difference between the two is that iOS retroactively marks groups while Android proactively marks them.

iOS
There are two different ways to change the marker colors. The first will change the default marker color and the second will change the marker color of your previous string of shot markers.

Default Marker Color: This setting can be found under MAIN MENU > SETTINGS > DEFAULT MARKER COLOR. The default marker color you choose will be saved until you go in to change it again.

Mark Group: The mark group feature is intended to help you mark prior strings of shots to track your groups or to keep track of different shooters. Once you choose a color from the mark group menu, your prior string of shot markers will all turn that color. New shot markings placed after marking a group will be in the default color.

ANDROID
Navigate to the SHOOTING OPTIONS MENU > MARKER COLOR. Once you select a marker color, all shot markers will be that color until you choose a new color. To mark a group, be sure to change the color prior to starting a new group.

IMAGE CAPTURE

Taking a snapshot in the TARGETVISION app is simple; however, it is done differently on iOS and Android.

- **iOS:** Tap the camera icon to take a snapshot. A prompt will appear after tapping the icon confirming that the image has been captured
- **Android:** Tap the TV icon at the bottom center of the screen. The snapshot will open in another window for your review with a prompt to save or dismiss the snapshot.

All snapshots will be stored within the app's gallery. To move the image to the gallery on your device, you must go into the gallery and export the image from the sharing menu.

APP FEATURES

VIDEO CAPTURE

Capturing video in the TARGETVISION app is simple; however, it is done differently on iOS and Android

- **iOS:** Simply tap the video camera icon to start and stop recording. While recording, a timer will appear at the bottom of the screen showing the duration of the recording.
- **Android:** Simply tap and hold the TV icon at the bottom center of the screen until it turns orange. To stop recording, just tap the icon again. After you stop the recording, a prompt will appear asking if you want to save or dismiss the recording.

All recordings will be stored within the app's gallery. To move the video to the gallery on your device, you must go into the gallery and export the image from the sharing menu.

*When you record video on iOS, it is just a video recording without audio; on android, it is a video recording but the app also records audio via your device's microphone.

SESSIONS

Sessions are used to store pictures, video, and data about a particular shooting session together in an album. After starting a new session, all snapshots and recordings made will be stored together in an album within the gallery. After ending a session, new snapshots and recordings will no longer be associated with an album and will be stored in their respective locations within the gallery.

GALLERY

The Gallery can be found within the main menu of the app. The Gallery organizes images and videos under separate tabs and you can store images and videos in an album if you prefer. If you took pictures or recorded video after creating a new session, those images and video can be found in an album with the session name that you created.

APP FEATURES

LIVE GROUP

The Live Group feature actively calculates your group size with each new shot marker that you place. For the feature to work correctly, you must know the distance between two set points on your target and input that information into the app when you turn live group mode on. It is recommended that you use two corners of your target as reference points for this measurement and input. After inputting a reference distance, the app will begin to calculate the distance between your two furthest shots from each group.

ZERO MODE

Zero Mode helps you to zero your optic by calculating the correction needed to move your point of impact to your point of aim. For this feature to work correctly, you must provide the app with a reference distance (just like in Live Group mode), your point of aim, caliber, and distance to the target. After the initial setup, as you mark your impacts, the app can tell you what correction to make in MOA, Mils, or inches, depending on which Display option you have selected in the main menu.

*This feature is currently only available on Android

ADDITIONAL RESOURCES

Additional details on features along with detailed screenshots and videos can be found under the support tab on our website, www.longshotcameras.com.

WARRANTY & GUARANTEE

STANDARD 2-YR MANUFACTURER WARRANTY

Each LONGSHOT camera and accessory is manufactured with the strictest production standards and goes through vigorous quality control procedures before it is shipped out. To give LONGSHOT owners an assurance for their investments, all LONGSHOT cameras and accessories are shipped with a standard 2-year manufacturer's warranty against defects in materials or workmanship. Additional protection is available through our Bulletproof Warranty program.

Please review the warranty terms and conditions below for more details.

2-YR BULLETPROOF WARRANTY

Available to all LONGHSOT camera owners, Bulletproof Warranties are offered to those seeking a peace of mind for their investments. Through the expanded Bulletproof Warranty, LONGSHOT owners can be rest assured that their beloved systems will be fully protected from errant shots while down range for 2-years.

Bulletproof Warranties must be purchased within 48 hours of the receipt of the camera system to be protected. If you purchase the bulletproof warranty separately from the camera system to be protected, we reserve the right to ask for proof of working condition of your camera system before issuing the warranty.

Each Bulletproof Warranty protects only one camera. If you purchased a multi-camera system, you will need to purchase one warranty for each camera. If you purchase fewer warranties than cameras they will apply in order of the camera numbers (1 warranty applies to camera 1, 2 warranties will apply to cameras 1 and 2, etc.).

* LONGHSOT reserves the right to modify and update the terms and conditions for its standard 2- year manufacturer's warranty and bulletproof warranty program (herein referred to as Warranty Programs). The terms and conditions outlined below are effective as of January 1, 2017.

WARRANTY & GUARANTEE

FILING WARRANTY CLAIM

LONGSHOT fully understands that the nature of warranty claims can be a hassle for our customers and leaves them without a camera or accessory for the duration of the claim. Most of the time, issues can be resolved by reaching out to our Product Specialists. Our team of experts is here to assist with any challenges you may be facing with your cameras or accessories and help you overcome it. If the issue cannot be resolved, the LONGSHOT Product Specialist will initiate the warranty claim and walk you through the process..

WARRANTY TERMS & CONDITIONS

- Warranty Programs only apply to units purchased from LONGSHOT and its authorized re-sellers and distributors. For units purchased outside of the authorized network, please contact the respective vendor for warranty work. Note: LONGHSOT and its authorized service centers also provide service and repair. Please contact us for more detail.
- Warranty Programs are valid for the original purchaser of LONGHSOT products and cannot be transferred. The product must be purchased brand new with original invoice and serial number (if applicable).
- Warranty claims will be serviced through the repair or replacement of the defective part. LONGHSOT shall determine, at its sole discretion, the method of servicing that will be applied to the claim.
- The duration of the standard 2-year warranty begins on the date of the original purchase. The duration of the 2-year Bulletproof warranty also begins on the date of the original purchase of the protected camera system. Parts that are replaced under the Warranty Programs also fall under its original warranty duration and do not restart.
- For quality control purposes, LONGSHOT reserves the right to request return on defective parts in exchange for new parts.
- *Warranty claims must go through LONGHSOT before servicing can be performed. Any RMA received, as a warranty claim without approval from LONGSHOT shall be denied, no exceptions.

WARRANTY & GUARANTEE

CAUSES THAT VOID WARRANTY

- Damage caused by accidents, submerging in water, acts of nature or negligence.
- Tampering of the serial number and/or removal of identification stickers and/or fasteners.
- Product failure as a result of installing aftermarket components.
- Unit(s) or part(s) received that is in working condition and not defective. LONGHSOT reserves the right to collect service or return shipping charges at the expense of the customer.

SHIPPING

- The customer is responsible for shipping or delivery of the unit(s) or part(s) to LONGHSOT designated service location.
- LONGSHOT will choose the shipping method back to the customer and incur any shipping charges.
- Please notify our RMA department for shipping to an address other than what was on the original invoice. Additional documents are required as proof of address change.
- LONGHSOT is not liable for damages caused by the shipping provider during transit back to our customer.

INTERNATIONAL WARRANTY CLAIM

Any customer filing a Warranty Claim outside the United States or Canada is responsible for ALL shipping charges, both inbound to our designated service location and outbound return shipping back to the customer. All other warranty terms and conditions remain the same as stated above.

STRAIGHT SHOOTER GUARANTEE

If your LONGSHOT™ target camera does not align better on the target, provide you with high image resolution or give you the promised connectivity from camera to monitor, we'll buy it back, no questions asked.

*Buy-back guarantee is valid for 30 days after receipt of the product

FAQ

- **How do I know if the battery is charged and how long does it last?**
 There is a LED light on the charger that shows the charge status, green means it's charged and red means it's charging. The system has a run time of 9 hours. More details about charging and charge status can be found on **Page 3.**

- **What do I do if the image is crooked, sideways, or upside down?**
The camera is designed to move and twist so you can get the image to be level and upright. More details can be found on **Page 7.**

- **How many people can view the camera feed?**
The system has the ability to support up to 10 connections at once; however, it is recommended to only have 1 or 2 people viewing the same camera feed at once because performance can be severely hindered as more people connect. High frame rate mode (which is currently only available on Android) is required to support multiple viewers at once.

- **Do I need WiFi or cellular service to use the camera?**
No. All you need is a smart device that can log onto a WiFi network. The camera system creates its own WiFi network that you will be able to log onto to view the camera feed. More details on **Page 9.**

- **My device says, "No Internet Connection". What do I do?**
Don't worry, this is correct. Your device will say "No Internet Connection" because the camera system is not connected to the internet. The camera system creates its own WiFi network for the sole purpose of transmitting the video feed from the camera. More details on **Page 9.**

- **Can I put a steel plate or sandbag behind the camera to protect it?**
We do not recommend covering the camera with any steel or armor plating. Placing heavy materials in front of the camera will limit and can sometimes obstruct the camera signal from reaching your device. If you are worried about the camera being shot, we recommend either 1. placing the camera further back and more to the side of the target, 2. buying a bulletproof warranty, or 3. buying an external antenna. More details on **Page 6.**

FCC Statement

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

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:
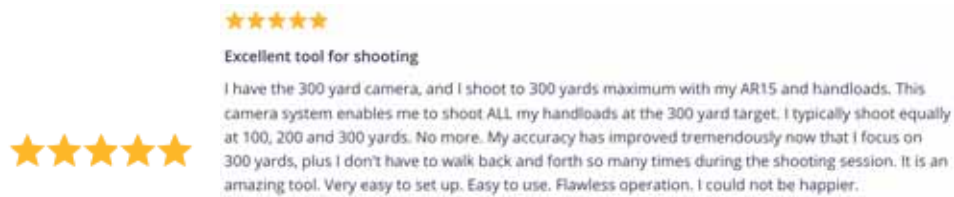
-- Reorient or relocate the receiving antenna.

-- 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

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body

LOVE IT? HATE IT?
LET US KNOW

★★★★★

Excellent tool for shooting

I have the 300 yard camera, and I shoot to 300 yards maximum with my AR15 and handloads. This camera system enables me to shoot ALL my handloads at the 300 yard target. I typically shoot equally at 100, 200 and 300 yards. No more. My accuracy has improved tremendously now that I focus on 300 yards, plus I don't have to walk back and forth so many times during the shooting session. It is an amazing tool. Very easy to set up. Easy to use. Flawless operation. I could not be happier.

★★★★★

Great item

Great item. Great view. And fast shipping

★★★★★

Top Class Product

Very efficient device. Easy to set up, easy to use. Very fast shipping. I even tried in open space at nearly 500 meters and it did the job.

★★★★★

Marksman Camera

The Marksman connected immediately with both an iPhone and iPad, giving a crisp image that allowed a quick visual to the projectile strikes. The fact that those hits can be marked, made for a much easier sight-in.

★★★★★

Outstanding Product, works flawlessly

Used my Target Vision for the first time today, it worked flawlessly. I like that you can turn off your mobile device screen between shots. When you turn your screen back on your targets are visible immediately, no connection issues, no hassle. Highly recommend this device

We love reviews and so do our customers. Please take a moment to leave a review on our website and share your feedback. We use your feedback to develop new products.

If for any reason, you are not fully satisfied with your new LONGSHOT product, please reach out to us prior to leaving a review so that we can attempt to resolve the issue. We want to make it right.