1PC Wrist Band Remote Controller

1PC Mini Tripod

1PC 4GB SD Card(inside the card slot)

LED Display

It's the best to place the radar in 45 degree of the batter as the attachment

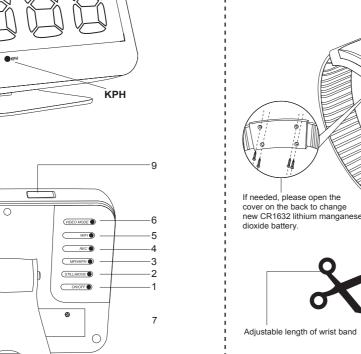
The radar should face the batter and remember to keep distance with the batter

shown and you will get the most accurate reading.(Remember to keep

distance from the batter to avoid hitting the radar)

Measuring soccer kicking speed

It is the best to place the radar behind soccer goal and face the player

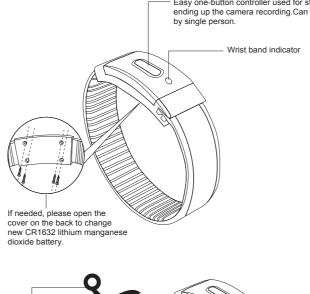


1. ON/OFF---Press "ON/OFF" button to turn on or turn off the Speed Vision. If on the MPH light is on.

3. MPH/KPH---Press "KMH or MPH" button to choose which measurement you prefer. The LED light will indicate the one which has been chosen

the camera and the REC light is on. 8. SUPPORT STAND--- Adjustable from 72 degree to 90 degree. Based on different sports, you can adjust angles to have more accurate readings

> Wireless wrist band for remote contro - Easy one-button controller used for starting or ending up the camera recording. Can be operated by single person.



How to select your mode

Still mode:

Baseball swing

4. Fast pitch swing

* F0 Still Mode 5-199KPH

* F1 Move Mode 40-199KPH

Tennis swing

3.Fast pitch

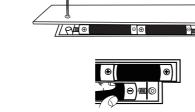
The Speed Vision operates on 5 AA batteries. To install, please open the cover on the back of the unit. After placing the batteries, put the cover back. When battery power is low, the screen will show "Lo" and repeat in every 30 seconds until you replace with new ones.

« Caution-background movement, please becautious of

any back ground movement (fan or heater) as the radar

will record these speeds. If you find the radar producing

unsual readings please move the location of the radar.



Camera will shut down after 3 minutes of inactivity. Wifi will shut down after 1 minute without connecting to smart phone. Radar will shut down after 5 minutes of inactivity.

Safe battery usage

Use alkaline batteries for best performance and longer life. Still and move mode stands for different movement detection, choose the Use only the type battery recommended for the unit. Batteries should be replaced only by an adult. When screen shows F0, it is in "Still Mode". When screen shows F1, it is

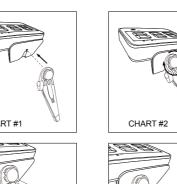
Insert batteries with the correct polarity (+ and -). Do not mix old and new batteries. Do not mix alkaline, standard(carbon-zinc), or rechargeable (nickel-cadmium) batteries. Do not short-circuit batteries.

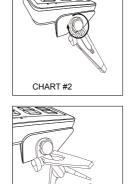
When not used for an extended time, remove batteries to prevent possible leakage and damage to the unit. Do not mix rechargeable and non-rechargeable batteries. Rechargeable batteries are to be removed from the toy before charging.

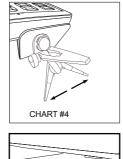
Rechargeable batteries are to be recharged only under adult supervision

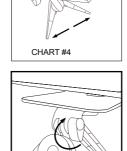
Do not recharge non-rechargeable batteries. Exhausted batteries are to be removed from the toy. Do not dispose of batteries in fire as they may leak or explode.

How to assemble the tripod









First Time Use

- Using the Smart Pro Speed Vision radar for Speed Readings only 1.Turn the radar on by pressing the 'On/Off' button on the back of the unit 2.The 'MPH' or 'KPH' light should be on depending on which mode we have the device in, this can be changed using the 'MPH/KPH' button on the back of the device to your desired unit of measurement

3. Change the mode according to the manual for your desired sport, using the 'Still/Move' button on the back of the unit (F0 = Still, F1 = Move) 4.The device will now show Speed Readings for the activity you are performing but will not record the data

- Connecting to your Smart Phone

1.Download the 'iSmart DV' app from either the 'App Store' or the 'Andorid Market' on your Smart Phone

2.Hold the 'Video Mode' button down on the back of the unit for around 3 seconds until the 'Rec' light on the front of the unit is on (Do not press the On/Off button as this is only for the Speed readings and will not allow the WIFI function to work)

3.Press the 'WiFi' button on the back of the unit and the 'WIFI' light on the front of the unit should be flashing

4. Connect your Smart Phone to the 'Wi-Fi_Cam_000' option in WiFi settings using the code '1234567890' and then open the iSmart DV app 5. Your phone should now be connected to the Smart Pro Speed Vision Camera

- Connecting the Wireless Remote Control Wrist Band Ensure unit is switched off before carrying out this step

1.Hold the 'Video Mode' button down on the back of the unit for around 3 seconds until the 'Rec' light on the front of the unit is on

2.Remove the insulator tab from the Wireless Remote Control Wristband 3. Hold the button on the Remote Control down for around 3 seconds and let go, allowing the wrist band to sync with the unit

4.Now press the button on the remote control once and the 'Rec' light on the front of the unit should start flashing, if so, the remote control is now connected and can be used to record videos

When the light starts to flash red on the Wristband, it indicates

Recording your Action with Speed Readings Ensure the WiFi button is turned off, your Action can not be recorded with

Speed Readings if the WiFi is enabled You may want to set up all your equipment where needed, before readying

the device to record Make sure the Micro SD memory card has been inserted

a. Via the Wireless Remote Control Wristband

1.Press the 'On/Off' button on the back of the unit to switch on the Speed Radar, either the MPH or KPH light should come on, depending on what mode we have the device in

Control once, the 'Rec' light on the front of the unit should start to flash

2. Hold the 'Video Mode' button down on the back of the unit for around 3 seconds until the 'Rec' light on the front of the unit is on 3. When in place and ready to record, press the button on the Remote

and the device is ready to record both your Action and Speed Reading 4.Once a Speed Reading is shown on the display, the device will stop located in the bottom left corner recording after 5 seconds, alternatively, press the button on the Remote Control again

b. Via the 'REC' button on the back of the unit

1.Press the 'On/Off' button on the back of the unit to switch on the Speed Radar, either the MPH or KPH light should come on, depending on what mode we have the device in

2. Hold the 'Video Mode' button down on the back of the unit for around 3 seconds until the 'Rec' light on the front of the unit is on 3. When in place, press the 'REC' button on the back of the unit to begin

recording your Action and Speed Reading 4.Once a Speed Reading is shown on the display, the device will stop recording after 5 seconds or alternatively press 'REC' button again

2.Press the 'WiFi' button on the back of the unit and the 'WIFi' light on the

Recording your Action without Speed Readings

via your Smart Phone through WIFI 1. Press and hold the 'Video Mode' button on the back of the unit for around you wish to delete 3 seconds until the 'Rec' light on the front of the unit is on

front of the unit should start to flash 3.Connect your Smart Phone to the device (Wi-Fi_Cam-000) and open the 'iSmart DV' app in your, the app should now connect automatically to

Is the VIDEO MODE on?

at the same time

other devices.

Can't use your wrist

Wifi doesn't work:

exceeded Memory

band to start recording | Speed Vision?

Is your wrist band out of battery?

Has the MicroSD Card been inserted in

Is the WiFi button off since your smart

phoneand wrist band can not be used

Is your Speed Vision out of battery?

Is your smart phone out of battery?

The built-in Wifi can only connect with 1

mobile or tablet at a time, please make

sure the Smart Vision is not connected with

Is the distance between Speed Vision and

Did you input the WiFi password for the

The "ON/OFF" button on Speed Vision

Recommend to download videos by Wifi

less than 4pcs/50MB at a time. If more than

MicroSD card, inserting into your computer.

Delete the video via your smart phone to

save your MicroSD Card space or take it

out and clear up via inserting into your

computer, tablet or smart phone etc.

Changed to a new MicroSD card with

tablet or smart phone to retrieve .

smart phone exceed 5 meters.

has been switched on.

Download video errors 4pcs/50MB, we suggest taking out the

enough space.

The app should now be displaying the device camera

In the bottom right there should be an option to choose photo or video mode, In the middle, at the bottom, a red button, that is used to record the photo or video, In the bottom left a 'Gallery' button is present that allows us to see all the videos and photos that are stored on the devices Micro SD card, The top right has a 'Settings' option in the form of a cog, The top left a battery display, enabling us to see how much battery the

4.To record your Action/Take Photos, press the Record button on your Smart Phone, press again when you wish to stop recording 5. This video(s) should now be available in your gallery

Retrieving Videos and Photos

device has left to use

Connect your Smart Phone to the device via WIFI as in previous steps Open the 'iSmart DV' app in your phone and select the 'Gallery' button,

3.All your videos and pictures should have appeared within the 'Gallery' screen, in the top right of the 'Gallery' screen, press 'Choose'

4. Now select the video(s) or picture(s) you wish to download

5.In the bottom right of the 'Gallery' screen there is a 'Download' button, press this button and out of the options that come up, press 'Download' again, your phone will ask you to 'Confirm Download', when you confirm, the download will begin and when complete the video(s)/picture(s) will appear in your phones gallery

- Another way is to remove the Micro SD card and insert it into a computer, this way prevents batteries being drained quickly and

can be quicker

Deleting Videos from the Micro SD Card

Follow the same process as above until we get to the gallery screen . Now press 'Choose' in the top right of the screen but rather than selecting the videos or pictures you wish to download, select those that

In the bottom left corner there is a 'Delete' button in the form of a trash can, press this button and 'Confirm Delete', the unwanted videos or pictures

Again this can be done by removing the Micro SD card and inserting

MEASURE SPEED and RECORD ACTION for multi sports

1.Measuring baseball pitch/throw speeds

2.Measuring baseball bat swing speed

3.Measuring soccer kicking speed 4.Measuring tennis serving speed

5.Measuring golf swing speed

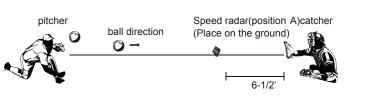
6.Measuring hockey shooting speed 7.Measuring lacrosse shooting speed

Note: We suggest to connect your smart phone with camera to check whether your body/gestures can be seen in the camera/video(see page 9). The Speed Vision can be used as a radar gun or camera separately. ON/OFF, MPH/KPH,STILL/MOVE buttons are for radar gun use. VIDEO

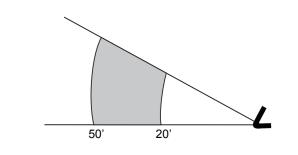
MODE, WIFI, REC buttons are for camera use. Measuring baseball pitch / throw speeds

2 persons use

1. Position A: It's the best to place the radar 6.5' in front of the catcher to get the most accurate reading; Place radar facing the pitcher.



Recommended pitch distance (Gray Area)



Measuring baseball pitch / throw speeds

* Mini Tripod: adjustable to increase accuracy (See page 6) .

(see page 6). Based on different sports, you can adjust angles to get more



2 persons use P. Position B: Place the radar beside the catcher and face the pitcher. (Please note due to the cosine effect, the reading of position B will be 1-2mph different with the reading of position A)

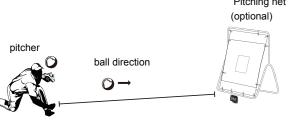
Speed radar with tripod (position B)

(tripod's height base on the strike zone)



Single person use

It's the best to place the Speed Vision in front of the pitch net and face Pitching net



Recommended pitch distance (Gray Area)

2. STILL/MOVE---See page 5 4. REC---Press "REC" button to start recording video 5. WIFI---Press "WIFI" button to activate WIFI function

6. VIDEO MODE---Hold the VIDEO MODE button for 3 seconds to turn on 7. BATTERY---See page 5

9. MICRO SD CARD SLOT ---4GB capacity SD card included

Recommended distance (Gray Area)

Measuring tennis serving speed

It is the best to place the radar behind tennis net and face the player

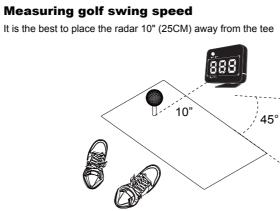
Recommended distance (Gray Area)

1.lce hockey shooting

2.Lacross shooting

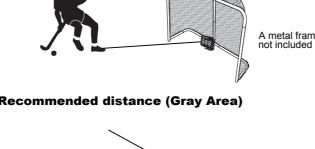
3. Soccer kicking

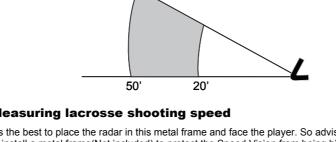
Golf swing

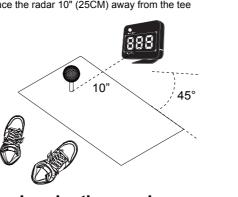


leasuring hockey shooting speed

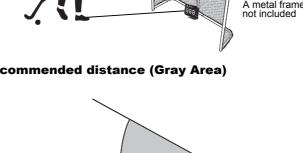
Note: if you want a metal frame, please send email to service@trigreatusa.com





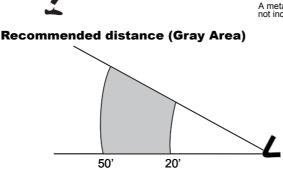


It's the best to place the radar in this metal frame and face the player. So advise to install a metal frame(Not included) to protect the Speed Vision from being



Measuring lacrosse shooting speed

It's the best to place the radar in this metal frame and face the player. So advise to install a metal frame(Not included) to protect the Speed Vision from being hitting. Note: if you want a metal frame, please send email to service@trigreatusa.com



accurate readings

1. Please place radar right behind the target area 2. Please make sure the target is not more than 29-1/2' away from the radar to have more accurate readings.

3. Depends on type of sports, it may need to use tripod to get the more

4. Radar has angle adjustment function. It can be adjusted from 72 degree to 87 degree. Depends on type of sport, please adjust the best angle to have more accurate readings. 5. There are certain mathematical properties of Doppler Radar that affect the accuracy of personal sports radar. Please read Cosine effect on target

As a quick reference to accuracy, remember to keep your targets direction

of travel in a direct line with you and not perpendicular.

Cosine effect on target

The speed radar will measure the relative speed of a target as it approaches the radar gun. If the target is in a direct line with the radar gun the measured speed will be exact. As the angle of incidence increase, if you move either right or left of this direct line, the accuracy will decrease. The measured speed will decrease as you move off this centerline. The phenomenon is called the cosine effect. The United States Federal Communications Commission (in 47 CFR

15.105) has specified that the following notice be brought to the attention of users of this product

Possible Causes / Solutions: Problems: Is the unit turned ON (indicated by a flashing If using batteries ("A A"), is each one of the four Is the unit correctly aimed? Is the ball passing directly at, over from the unit; and is the object traveling at least with 6 ft. (2m) from the front face of the unit? Are there any external interference sources nearby (see below)? Is the unit blocked and/or covered? For example, if the unit is positioned behind a hockey or soccer net,

Erratic or "ghost" readings (digits flash on their own)	The following are possible sources of interference that, if in proximity your unit, may affect readings: Electric fans, large powerlines, fluorescent lights, other transmitting devices, 2-way radios, or other RF transmittingdevices
	Rain, snow or heavy moisture in the air may cause interference.
	Inconsistent readings can also result from altering the positioning (angle and distance from target) of the unit—see earlier section on "Angle Error".
Batteries run down too quickly	Use higher quality Alkaline batteries
Unit displays "LO"	Your batteries are low on power—replace them immediately.

Trouble shooting

	may affect readings: Electric fans, large powerlines, fluorescent lights, other transmitting devices, 2-way radios, or other RF transmittingdevices
Erratic or "ghost" readings (digits flash on their own)	Rain, snow or heavy moisture in the air may cause interference.
	Inconsistent readings can also result from altering the positioning (angle and distance from target) of the unit—see earlier section on "Angle Error".
Batteries run down too quickly	Use higher quality Alkaline batteries
Unit displays "LO"	Your batteries are low on power—replace them immediately.

Erratic or "ghost" readings (digits flash on their own)	interference that, if in proximity your unit, may affect readings: Electric fans, large powerlines, fluorescent lights, other transmitting devices, 2-way radios, or other RF transmittingdevices
	Rain, snow or heavy moisture in the air may cause interference.
	Inconsistent readings can also result from altering the positioning (angle and distance from target) of the unit—see earlier section on "Angle Error".
Batteries run down too quickly	Use higher quality Alkaline batteries
Unit displays "LO"	Your batteries are low on power—replace them immediately.

No speeds displayed a person playing goalie will block the signal. If the speed data is less than 30KPH when recording, no speeds displayed and the camera won't stop recording.

Erratic or "ghost" readings (digits flash on their own)	interference that, if in proximity your unit, may affect readings: Electric fans, large powerlines, fluorescent lights, other transmitting devices, 2-way radios, or other RF transmittingdevices
	Rain, snow or heavy moisture in the air may cause interference.
	Inconsistent readings can also result from altering the positioning (angle and distance from target) of the unit—see earlier section on "Angle Error".
Batteries run down too quickly	Use higher quality Alkaline batteries
Unit displays "LO"	Your batteries are low on power—replace them immediately.

FCC STATEMENT Federal Communication Commission Interference Statement 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

Reorient or relocate the receiving antenna.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Increase the separation between the equipment and receiver.

and (2) This device that may cause undesired operation.

Consult the dealer or an experienced radio / TV technician for help.

by the party responsible for compliance could void the user's authority to operate 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,

FCC Caution: any changes or modifications to this unit not expressly approved

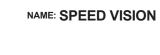
This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or tranmiter. FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth an

uncontrolled environment. This equipment should be installed and operated with

minimum distance 20cm between and radiation &your body. Item # ODIS-170







INSTRUCTION MANUAL

MODEL: ODIS-170



Speed Vision Instruction Manual