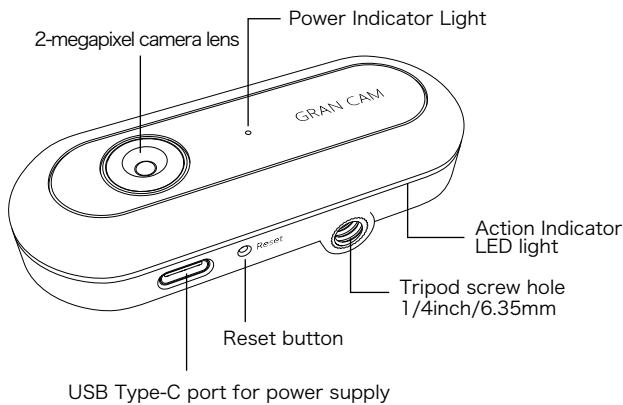


GRAN CAM

Board Camera for GRANBOARD
2MegaPixel / Bluetooth4.0 / Wi-Fi2.4GHz

GRAN CAM Setup Guide
ver.1.0 2021.05



Action Indicator LED Light status



Glowing

Camera is active. Video signal is being sent to the App.



Blinking

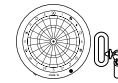
Flashes three times when a signal is received from the App. Flashes to let you know if the IP address of GRAN CAM has been changed.

Power Indicator Light status

	Red blinks twice in a row continuous	Pairing mode
	Red blinks once in a row continuous	Wi-Fi not connected
	Solid Green light	Wi-Fi connection is active
	Red & Green light flashing alternately	Firmware update in progress

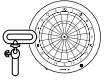
Step1

Use a tripod or camera arm to set the GRAN CAM in the desired place.



Installed vertically on the right side of the board

Installed on the left side of the board, facing right.



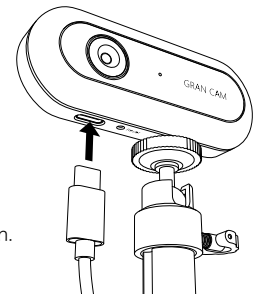
Installed on the top of the board, facing downwards

GRAN CAM can be installed horizontally, vertically, or upside down. The video can be rotated or flipped in the App settings.

Step2

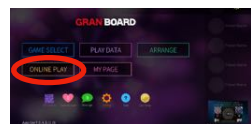
Connect the USB Type-C cable (sold separately) and turn the power on.

The GRAN CAM starts up in pairing mode when first turned on. It has an auto-sleep power save function, so please leave it plugged in.



Step3

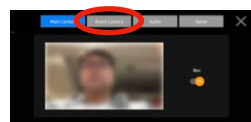
Wi-Fi network and camera settings are accessible from the GranBoard App.



Press "ONLINE PLAY"



Press "Setting" in the lower right corner



Press the "Board Camera" tab.



Press "Yes"



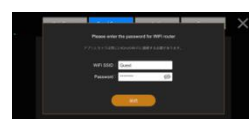
Press "Serch GRANCAM"



Make sure that GRAN CAM is in pairing mode



Press "OK"



Enter your Wi-Fi information



2.4GHz Wi-Fi is required; GRAN CAM cannot connect to 5GHz.

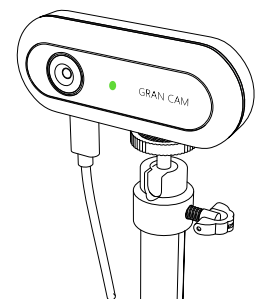


GRAN CAM has received your SSID and Password

Connected to Wi-Fi.
(EX) rssi : -77dBm (signal strength)

Wi-Fi connection has been established.
(EX) IP address : 192.16.1.28

Wi-Fi connection setup complete



When the Wi-Fi connection is complete, the GRAN CAM power indicator light will turn green.

If the connection fails, please check that the access point with Wi-Fi information of "2.4GHz" is entered.

Network settings screen



GRAN CAM firmware information
If an update is available, the "Update" button will be displayed.

Wi-Fi setting information
Displays the IP address of the paired GRAN CAM. If the IP address has changed and you cannot connect, you can use the "Discovery" button to search again.

Command button
The following GRAN CAM operations can be performed from the GranBoard App

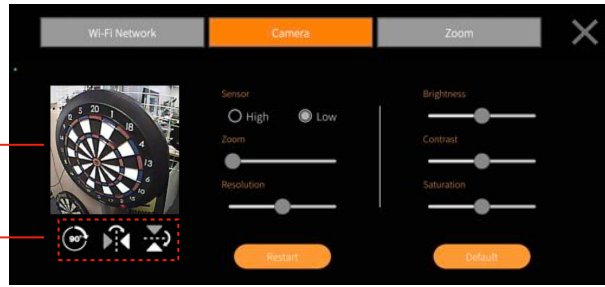
- Reconnect to Wi-Fi
- Forced sleep mode
- Waking-up from sleep
- Restart power
- Reset (Reset WiFi connect information)

Camera setting screen

GRANCAM video

Display image adjustment button

- Rotate 90° (clockwise)
- Flip left/right
- Upside down



Brightness / Contrast / Saturation

The brightness, contrast, and saturation can be adjusted at five levels each.

Restart

Reboots the GRANCAM camera. It will not reboot the power supply or the WiFi network.

Default

Restores the GRANCAM camera settings to default; the WiFi network settings will not be changed.

Sensor

The camera sensor can be adjusted. When set to High, high quality images can be obtained, however the data size will increase. If delays are experienced, set the sensor back to Low.

Zoom

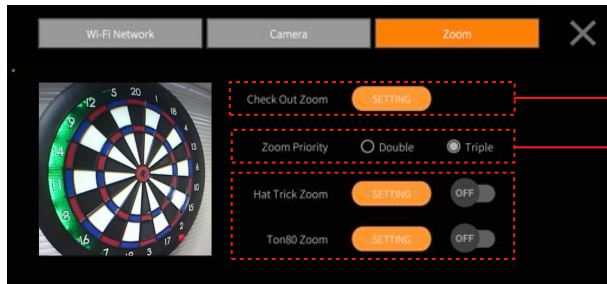
The GRANCAM can zoom in 5 levels. This is dependant on the distance from the board.

Resolution

The resolution of the image can be adjusted in five levels. The larger the size (right side), the higher the image quality, but the larger the data size. If the image is delayed, adjust the resolution to the left.

Zoom settings screen

This is a beta test feature



The zoom function is a function that automatically zooms in during the game. You can set Hat Trick Chance Zoom, Ton 80 Chance Zoom, Check Out Zoom to zoom in on doubles and triples, and After Zoom to zoom in on triple hits in cricket.

Check Out/After Zoom Setting

Register the point at which you want to zoom the camera.

Zoom priority setting

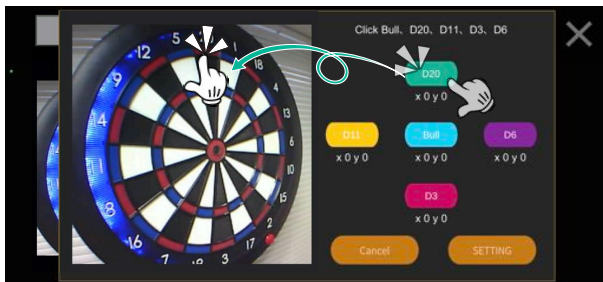
In zero-one games, if both double and triple checkouts are available, set the one to be Zoomed in priority.

Ex): When 24 remaining
Triple priority: Zoom in on T8
Double priority: Zoom in on D12

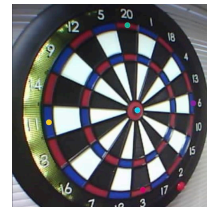
HatTrick / To80 Zoom Setting

When each of these is turned on, the zoom position setting screen will appear. When playing online, the zoom will be automatically linked to the game.

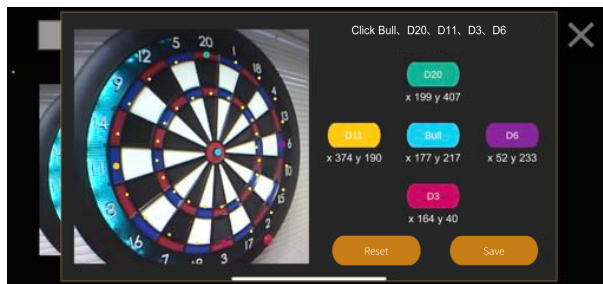
CheckOut/After Zoom Setup screen



In the CheckOut/After Zoom setting, set the Bull, D20, D11, D3, and D6 positions. After selecting the position to be set, tap the corresponding part of the camera image with your finger.

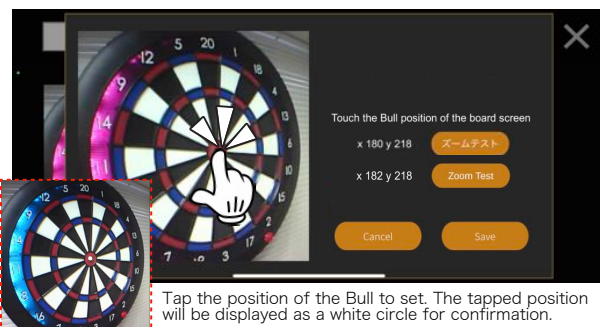


When you have finished setting the five positions, tap [Settings].

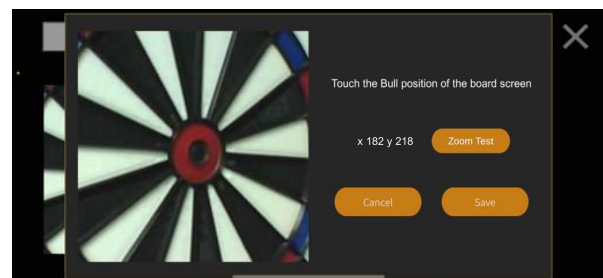


The remaining Zoom locations will be automatically displayed from the positions you have set. After confirming that the approximate location of each triple or double is marked, click [Save].

HatTrick/Ton80 Zoom Setup screen



Tap the position of the Bull to set. The tapped position will be displayed as a white circle for confirmation.



Tap the Zoom Test button to see the zoomed-in image. To restore the original image, tap the Reset button. To readjust the zoom position, repeat these steps. When you are satisfied with the zoom position, tap the Save button.