Join the social movement and follow us on

Facebook  Instagram  Twitter  YouTube

Share your footage with us on our social media

#ChallengeYourself

Need help? www.kaiserbaas.com/support

To view the entire Kaiser Baas product range and accessories visit:

www.kaiserbaas.com
# TABLE OF CONTENTS

Disclaimers And Warnings 6
Safety Warnings and Operating Guidelines 7
Gamma Drone Features 8
Key Features 8
Included Equipment 9
Drone Specifications 10
Transmitter Specifications 11
Battery Guide 12
Battery Charging 13
Drone Setup/Installation 14
Drone/Transmitter Binding 16
Drone Calibration 16
Drone Trimming 17
Pre-flight Checklist 17
Flight Operation Guide 18
Take-Off and Landing Basics 19
Flight Modes 20
Obstacle Avoidance 21
360° Flips 22
Return Mode 22
Headless Mode 23
WiFi App Operation 24
WiFi Drone Operation 26
Specifications 27
FAQ 29
Contact Us 30
DISCLAIMERS AND WARNINGS

Please read this section carefully before using your Kaiser Baas Gamma Drone. By operating this product, you hereby agree to these disclaimers and signify that you have read and understood the warnings and conditions fully.

THIS PRODUCT IS NOT SUITABLE FOR PEOPLE UNDER THE AGE OF 18.

Always observe the safe flying instructions within this User Guide, as well as the guidelines and regulations of your local aviation authorities.

Above all, maintain a safe distance from people and property when operating your Gamma Drone – a safe distance of 10m is recommended.

Kaiser Baas accepts no liability for damage(s) or injuries incurred directly or indirectly from the use of this product, including but not limited to the following conditions:

- Failure to follow the full instructions and cautions in the User Guide, pertaining to correct assembly and safe operation.
- Damage(s) or injuries caused by erratic operation or poor piloting decisions.
- Damage(s) or injuries caused by mechanical failures as a result of neglect, including the erosion and aging of product components.
- Damage(s) or injuries caused by the Drone being flown in the following conditions:
  - Unfavourable lighting; where the Pilot’s ability to see the Drone clearly is diminished.
  - Inclement weather; moderate to high winds, rain, snow or hail.
  - Flying near electrical hazards, such as power lines or towers.
  - Flying in or near fire, floods, tsunamis, ice, avalanche, landslide, earthquake, etc.
  - Damage(s) or injuries caused by users under the influence of drugs or alcohol, suffering dizziness, fatigue, nausea and any other condition; physical or mental that could impair the Pilot’s ability to fly responsibly and within the boundaries of the law.
  - Damage(s) or injuries caused by malfunctions or “hacks”, refits or the replacement of original components with non-Kaiser Baas provided accessories and/or parts.
  - Damage(s) or injuries caused by the misuse or incorrect operation of the battery, protection circuits, Transmitter or Battery Charger.
  - Damage(s) or injuries caused by flying the Drone in abnormal conditions and allowing external substances to come into contact with the Drone e.g. water, oil, soil, sand or any other material that could enter the Drone and its internal compartments, including the battery.
  - Damage(s) or injuries caused by flying in areas such as those with: magnetic interference, radio interference, government regulated no-fly zones or airports.
  - Any other losses that are not covered by the scope of Kaiser Baas liability.

Kaiser Baas reserves the right to make changes to this User Guide if required. Please check the Kaiser Baas website for the most up to date version of this guide:

www.kaiserbaas.com/support

The information within this manual is subject to change without notice.
SAFETY WARNINGS AND OPERATING GUIDELINES

Even though the Gamma Drone may look small and light, there are important safety considerations to bear in mind when operating this device. Always observe the following guidelines:

- **DO NOT** fly the Drone within 10m of people anywhere. Consider your personal liability when you choose to operate your Drone.
- **DO NOT** attempt to handle or catch the Drone while it is in operation.
- **DO NOT** attempt to handle the Drone while the Rotor Blades are still spinning.
- **DO NOT** allow others to approach the Drone while it is in operation and the Rotor Blades are in motion.
- Always make sure that you have completely “disarmed” the Drone before handling.
- Always maintain Visual Line-of-Sight (VLOS) with the Drone.
- Always fly between official sunrise and official sunset, local time.
- Never engage in careless or reckless manoeuvres. Consider the impact reckless behaviour might have on other Drone enthusiasts and future Pilots.
- Never operate your Drone when intoxicated or when you are incapacitated in any other way.
- Always follow your local aviation authority’s guidelines.
GAMMA DRONE FEATURES

The Gamma Drone is an easy to fly Quadcopter that is suitable for both new Pilots and experienced flyers alike. It provides excellent self-levelling and altitude-holding and you will find this takes the stress out of Drone piloting.

If you are new to the fun of flying drones, you can expect to be up and flying in a short time. Of course you need to familiarize yourself with the safety, operating and controls of the Gamma Drone first! Give yourself time to become accustomed to the feel of the Drone and effect of the controls.

The Gamma Drone can be used with its camera or transmitter in the following configurations.
- Drone and Transmitter (No FPV)
- Drone, FPV App and Transmitter
- Drone, FPV App and Smartphone Control

For reference on how to use the FPV and Smartphone Control Modes please refer to the WiFi App Operation section of this user guide.

KEY FEATURES

- Altitude Hold
- Obstacle Avoidance Module
- 720p HD Video/Photo Camera
- Live FPV and Recording with Smartphone App
- Cartridge Battery System
- One-Key Takeoff/Landing
- One-Key Return Function
- Headless Mode
- 360° Flips
- 90° Adjustable Camera Pivot
- Cartridge Camera System
- 6.5 mins Flight Time
- Up To 30 meter FPV Range
- 90mins Battery Fast Charge
- Rechargeable Remote Transmitter
## INCLUDED EQUIPMENT

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Gamma Drone</td>
</tr>
<tr>
<td>B</td>
<td>720p WiFi Camera</td>
</tr>
<tr>
<td>C</td>
<td>Battery</td>
</tr>
<tr>
<td>D</td>
<td>Battery/Remote USB Charging Cable</td>
</tr>
<tr>
<td>E</td>
<td>4 Spare Blades</td>
</tr>
<tr>
<td>F</td>
<td>Screwdriver</td>
</tr>
<tr>
<td>G</td>
<td>Rotor Blade Guards</td>
</tr>
<tr>
<td>H</td>
<td>Obstacle Avoidance</td>
</tr>
</tbody>
</table>

![Gamma Drone](image)

![720p WiFi Camera](image)

![Battery](image)

![Battery/Remote USB Charging Cable](image)

![4 Spare Blades](image)

![Screwdriver](image)

![Rotor Blade Guards](image)

![Obstacle Avoidance](image)
DRONE SPECIFICATIONS

A  Gamma Drone  F  Motor
B  Rotor Blade  G  Obstacle Avoidance Module
C  Power Button  H  Landing Gear
D  Camera Module  I  Rotor Blade Guards
E  Battery Module
TRANSMITTER SPECIFICATIONS

A Charging Indicator
B Throttle/Yaw Left Stick
C Yaw Left/Right Trim
D Power Switch
E Camera Lens Up
F Camera Lens Down
G 360° Flip
H Charge Socket
I Headless Mode
J LED Toggle
K Pitch Backward Trim
L Pitch Forward Trim
M Roll Left/Right Trim
N Invert Throttle/Rudder Sticks
   (Hold button before switching transmitter on. The transmitter will confirm with a long beep.)
O Pitch/Roll Right Stick
P Power LED Indicator
Q One Key Launch/Auto Land
   (Long Press 3 Seconds to STOP)
R Speed Mode Switch
S Photo/Video Button
   (Click once for Photo/Long Press to record video – Only for Non-WIFI Camera Modules)
T Return Toggle
BATTERY GUIDE

It is imperative that only a Kaiser Baas Gamma Drone Battery is used inside the Gamma Drone.
DO NOT use any third-party or unknown accessories or batteries.
Always ensure your Drone battery is charged before flight.

Battery Safety Warnings:

- **DO NOT** disassemble the battery.
- **DO NOT** short-circuit the battery.
- **DO NOT** ever poke or puncture the battery with any blunt or sharp instrument.
  
  **WARNING** There is a high risk of it igniting!
- **DO NOT** ever leave the battery near an open flame or heat source.
- **DO NOT** immerse the battery in water.
- **DO NOT** charge the battery in direct sunlight.
- Never leave a charging battery unattended.
- Only remove the battery from its supplied charger when the charging cycle is complete.
- **DO NOT** reverse charge or over-charge the battery.
- Always charge the battery in a designated space, away from people and animals.
- If the battery becomes bloated or appears to be inflated - **DISCARD THE BATTERY IMMEDIATELY** - Instructions: place the bloated battery in a bucket filled with salt water (200 grams salt to 1 Litre water) and leave the battery in the solution for three days. You may now dispose of the battery through your local recycling center. Never use your battery after conducting the discard process.
- If the battery has a high surface temperature, leave it to cool before you try to re-charge it.
- Always ensure the battery is free from all damage and deformation before use.
- If you see any sign of smoke coming from the Drone or battery area - **STOP OPERATING IMMEDIATELY** - when safe, disconnect and remove the drone battery.
- **DO NOT** use the battery with unspecified equipment.
- **DO NOT** touch a leaking battery directly. Never let battery contents touch your skin or clothing. If contact occurs, seek medical advice immediately.
- **DO NOT** throw or cause any trauma to the battery.
- **DO NOT** put the battery in a microwave or high pressure container.
- **DO NOT** charge the battery if the ambient temperature is below 0°C or above 45°C.
- Always use the supplied charger and observe charging requirements.
- Always store the battery in a safe and cool place and never store the battery fully charged.
BATTERY CHARGING

To charge the Drone Battery:

1. Remove the battery from the Drone by pressing the clip and sliding it out of the Drone battery compartment.
2. Connect the USB Charging Cable to the Battery Pin terminal located on the battery.
3. Connect the USB Charging Cable to an electronic device.
   
   Note: If using a wall charger, ensure that it is a certified product for your region. AC Input: 100-240VAC 50/60Hz. DC Output: 5VDC 0.5A/1A/2.1A. Only use a USB charger with suitable approval and certification. Do not charge in conditions outside of the 10°C-45°C range.
4. The USB Charging Cable features a red LED indicator light that will turn on when Charging is complete or there is no battery connected. While it is charging the light will be OFF.
5. A full charge cycle will take approximately 90mins by 0.5A/1A/2.1A charger.

To charge the Transmitter:

1. Connect the USB Charging Cable to the Remote Transmitter
2. Connect the USB Charging Cable to an electronic device.
3. Note: If using a wall charger, ensure that it is a certified product for your region. AC Input: 100-240VAC 50/60Hz. DC Output: 5VDC 0.5A/1A/2.1A Only use a USB charger with suitable approval and certification. Do not charge in conditions outside of the 10°C-45°C range.
4. The USB Charging Cable features a red LED indicator light that will turn on when Charging is complete or there is no battery connected. While it is charging the light will be OFF.
5. The Transmitter green LED indicator will be ON while it is charging. It will turn OFF and the red LED indicator will switch on when complete.

Low Battery

The Drone LED Lights will flash when the drone is in Low Power Mode. When the LEDs are flashing you should bring the Drone to a complete stop. Failure to note the Low Battery signal may cause a sudden loss of power endangering Persons, Property and the Drone. Running the Battery completely flat will impact the health and future flight time of your Drone.
DRONE SETUP/INSTALLATION

Ensure the Drone is OFF prior to installation of modules.

**Camera Assembly:**
1. Insert the Camera Module into the front empty slot of the Drone. The Camera Module will click into place.
2. Refer to the camera section for instruction on how to use

**Battery Assembly:**
1. Insert the Battery Module into the rear empty slot of the Drone. The Battery Module will click into place.
Obstacle Avoidance Assembly:

1. Match the Obstacle Avoidance Module to the bottom of the Drone
2. Push and slide the Module according to the diagram. The Module will click into place.
3. Refer to the flight modes section for further instruction.

Rotor Blades Assembly:

It is important that only Kaiser Baas Gamma Drone Rotor Blades are fitted to the Gamma Drone. Never use any third party accessories or tools.

Your Drone will come ready to fly with Rotor Blades attached. If you need to replace them, please refer to the following guide:

Disassembly:

1. Use the provided screwdriver to untighten the screw in an anti-clockwise direction.
2. Remove the Rotor Blade by pulling up and off the motor axis bar.

Assembly:

1. Insert the Rotor Blade onto the motor axis bar.
2. Only install the Rotor Blades to the corresponding clockwise/anti-clockwise motor. A letter is marked on each blade to indicate which motor it should go on. Incorrect installation will cause severe instability. Refer to the diagram
3. Use the provided screwdriver to tighten the screws in a clockwise direction.

[WARNING] Never use Rotor Blades with any signs of damage or wear and tear. This includes chips, scratches and cracks. Damaged Rotor Blades can cause the Drone to fail in-flight and may result in damage to persons or property.

[WARNING] Never touch the Drone or the Rotor Blades when the motors are spinning.
DRONE/TRANSMITTER BINDING

To operate your Drone, you must first bind the Drone to your Transmitter before every flight.

Ensure your Drone and Transmitter are fully charged and follow these steps in order:

1. Turn on your Drone by holding the power button for 1.5 seconds.
2. The Drone lights will flash indicating it is ready to bind to a Transmitter.
3. Turn on the Transmitter.
4. Using the Left Throttle/Yaw Stick move it to the maximum UP position and return it back to the zero position.
   
   **Note:** you must complete this process within 5 seconds of powering on the Transmitter or you will have to restart the process.
5. The Drone LED lights will stop flashing indicating the Drone is now paired to the Transmitter.

DRONE CALIBRATION

Before every flight it is important to calibrate your Drone.

Calibration ensures the Gyroscopes are reset and the Drones Direction/Heading is fixed.

Always calibrate with the Drone and the Pilot facing the same direction.

Calibration:

1. Place the Drone on level ground facing the same direction as the pilot.
2. Push the Left Throttle/Yaw Stick and the Right Pitch/Roll Stick to the bottom left and hold for 2 seconds until you see the LED indicator lights on the drone start to flash rapidly.
3. Release the sticks and wait for the drone LEDs to stop flashing.
4. The Drone LEDs will stop flashing indicating that the calibration has been completed.
DRONE TRIMMING

Control of the Drone can be trimmed using the trim buttons on the Transmitter. If the Drone is drifting off during a hover or other flight maneuver, these buttons are used to counter this drift.

To reset all trimming, simply land the Drone and re-calibrate.

PRE-FLIGHT CHECKLIST

• Do a **COMPLETE** check of your surroundings; look for hazards above, in front and behind you.
• Be especially aware of things like power lines and nearby people and animals. If these hazards exist, **DO NOT** deploy your Drone and consider a new Take-off Location.
• **DO NOT FLY** in inclement weather or moderate to high winds.
• **DO NOT FLY** in populated areas as unforeseen flight hazards may occur.
• Remember YOU are the Pilot. Safety is YOUR responsibility.
• **DO NOT FLY** near airports/controlled airspace. Ensure that you are at least 5.5kms from any airfield and you are adhering to any regulations and laws laid out by your local aviation authority. Remember checking your distance to these areas is **YOUR** responsibility.
• Never fly your Drone near large crowds or above unwilling spectators.
• Make sure that you have the full permission of people within flying range of your Gamma Drone and **DO NOT** fly your Drone where people have not given permission or have requested that you not fly.
• Ensure the Drone is orientated in the desired direction.
When operating the Drone, it is important for new Pilots to ensure that the Drone's heading is facing away from you.

The Transmitter has two control sticks, left stick (Throttle/Yaw) and right stick (Pitch/Roll).

**Left Stick**

The Left Stick is known as the Throttle. This controls the Drone's Elevation and Yaw.

**Right Stick**

The Right Stick is also known as the Elevator/Aileron. This controls the forwards and backwards (Pitch) movement and the left and right (Roll) movement of the Drone.
TAKE-OFF AND LANDING BASICS

To Take-Off you must first bind the Drone to your Transmitter. Refer to the Drone/Transmitter Binding Section. The Gamma Drone comes equipped with a Take-Off and Landing function.

**To Take-Off:**
Press the Take-Off/Landing Button to arm the Drone. The Rotor Blades will start to spin indicating it is ready to fly. Push the Throttle/Yaw Left Stick slightly UP to fly.

The Gamma Drone features Auto-Hover, releasing the Throttle/Yaw stick will keep the drone at the same altitude. Pushing the Throttle/Yaw Left Stick UP or DOWN will ascend or descend the Drone respectively.

**To Land:**
Whilst the Drone is in flight press the Take-Off/Landing button. The Drone will then descend to the same altitude/level from which you armed it.

**To Emergency Stop:**
In an emergency in which you need to stop the Drone motors immediately, HOLD the Take-Off/Landing Button for 3 seconds to kill the motors completely.
FLIGHT MODES

The Drone features a number of Flight Modes and settings.

Speed Modes
There are 3 Speed modes on the Gamma Drone. They can be cycled through on the transmitter by pressing the Speed Mode Button. Each mode is indicated by an increasing series of beeps.

Mode 1-Beginner Mode
This is the default operating mode that the Gamma Drone initialises in. Please ensure that you use this mode in a large open space with no obstacles. The sensitivity is very low and is suitable for beginner pilots. It is less responsive and more forgiving.

Note: Obstacle Avoidance Module will only operate in this mode.

Mode 2-Intermediate Mode
To enable this mode, press the Speed Mode Button ONCE. The Transmitter will beep twice indicating you are in Intermediate Mode. This mode is more responsive and flies faster.

Mode 3-Pro Mode
To enable this mode, press the Speed Mode Button TWICE. The Transmitter will beep three times indicating you are in Pro Mode. This is the most responsive and fastest mode the Drone can operate in.

This is only recommended for pilots with experience flying the Drone.
### OBSTACLE AVOIDANCE

**Note:** The Obstacle Avoidance Module only operates in Mode 1-Beginner and when the Drone has an altitude of 1 Meter from the ground.

**Note:** Ensure the Obstacle Avoidance Module has been installed to the bottom of the Drone.

**Note:** The Obstacle Avoidance Module works using Infrared Technology, as such it will not function correctly in environments that contain lots of glass and black surfaces.

Do not test this function with any persons, animals, or objects due to risk of serious injury/harm.

This Module will detect if there any are obstacles within 2m of the drone.

The Drone will move away from the object it detects. It functions like a shield around the Drone but it is not autonomous. Always be ready to steer the drone away in case of failure.

If you attempt to use this Mode in areas with lots of walls/obstacles the Drone will perform erratically and veer in dangerous directions.

Headless Mode and Return Mode will not function in Speed Mode 1-Beginner Mode with the Obstacle Avoidance Module attached.
360° FLIPS

The 360° Flip function will only operate with the Camera Module and Obstacle Avoidance Module removed.
Please ensure prior to using this function you have a radius of 10m free of any persons or objects.

To flip the Drone in any direction:
1. Ascend the Drone to a height of 2m.
2. Press the 360° flip button.
3. The Transmitter will beep continuously.
4. Push the Right Pitch/Roll Stick in any direction to flip.
5. The drone will flip respectively.

Note: When the flip is over you will need to be ready to control its direction.

The Drone will fly up whilst performing this action.

The flip function will not work under low power (Drone LEDS flashing).

RETURN MODE

Return Mode is a simple function that puts the Gamma Drone into reverse. It can be useful when flying in headless mode and you can not determine the Drones orientation for it to return.

Warning: This mode does not use GPS or have any position data.

To enable Return Mode:
1. Fly the Drone in front of you, ensuring the path to you is free of obstacles and persons.
2. Press the Return Toggle. [Diagram]
3. The Drone will fly backwards towards you. Always keep control of the Drones altitude and speed using the Left Throttle/Yaw Stick.
4. When it has reached your position or you want to stop simply move the Pitch/Roll Right Stick Forward to cancel Return Mode.
Note: Headless Mode will only operate in modes not using the Obstacle Avoidance Module (Modes 2&3 or 1 when not attached).

Headless Mode allows you to control the Drone relative to its direction from the take-off location. This means you can fly the drone without worrying which direction it is facing.

**Calibration:**

1. Push the Left Throttle/Yaw Stick and the Right Pitch/Roll Stick to the bottom left and hold for 2 seconds until you see the LED indicator lights on the drone start to flash rapidly.
2. Release the sticks and wait for the Drone LEDs to stop flashing.
3. The Drone LEDs will stop flashing indicating that the calibration has been completed.

To enable Headless Mode, simply press the Headless Mode Button on the Transmitter. To avoid confusion, you should ensure the controls are correct from take-off. You should arm the Drone while you are standing behind it, so that you and Drone are both facing in the same direction. Failure to do this will result in incorrect control.

*Tip: Headless Mode can be turned on while in flight.*
The Gamma Drone features WiFi and may record video, take photos and be controlled using the Kaiser Baas Gamma Drone App.

Download the Kaiser Baas Gamma Drone App from: www.kaiserbaas.com/apps/gamma-drone

WiFi Connection
To connect the WiFi on the Drone:
1. Turn on the Drone.
2. Bind the Remote Transmitter and the Drone.
3. Using your Smartphone or Tablet device connect to the Drone via WiFi through your devices WiFi connection list.
4. The password is “1234567890”
5. Once connected open the Kaiser Baas Gamma Drone App.
6. Click on the Fly My Gamma tab to see the live FPV of your Drone.

WiFi FPV Range
The optimal range is 20 metres for smooth recording and a great FPV experience.

The WiFi Camera Module features a maximum range of up to 30 metres from the transmitter however at 30m the connection becomes unstable and the time between updates to the device is noticeable. The recording may feature gaps and not record correctly at the max range.

IMPORTANT NOTE:
WiFi range is subject to the environment it is operating in. WiFi is affected by other signals and devices operating in the same environment.

Camera Operation
The Gamma Drone features a WiFi 720P HD Camera. The Camera will only record within Kaiser Baas Gamma Drone App.

The Camera features a motorised pivot that can be adjusted using the Camera Up and Camera Down buttons located on the Transmitter.

To take a photo or record video.
1. Connect to the Drone via WiFi.
2. Open the Kaiser Baas Gamma Drone App.
3. Click the **Fly My Gamma** Tab
4. On the top left of the screen there are buttons to take photos or record video.
5. The footage will be saved to your devices “Camera Roll” and can also be found within the “Gallery” section of the App.

**On Drone Models not featuring WiFi Camera Module.**

**To take a photo:**
1. Click the Photo/Video button once.
2. The Drone LEDs will flash indicating a photo has been taken.

**To record a video:**
1. Hold the Photo/Video button for 3 seconds
2. The Drone lights will flash indicating you have commenced recording.
3. Hold the Photo/Video button for 3 seconds to stop recording.

*Note: The Photo/Video buttons will not work with the 720P WiFi Camera Module. They are designed to work with non-WiFi camera modules.*
The Gamma Drone has a feature that lets you control the Drone exclusively via the APP. We recommend beginner pilots learn to use the remote transmitter before attempting to control the Drone through the App.

To pilot the Drone without the Remote Transmitter:
1. Turn on the Drone. Do not bind the Drone to the Remote Transmitter (Keep it off).
2. Connect to the Drone with your device via WiFi. The password is “1234567890”
3. Using the App navigate to the “My Drone” screen.

Use the in-app controls to operate. The App mimics the controls of the Remote Transmitter. Please see the following guide or use the Help menu to list the controls.
## SPECIFICATIONS

### Gamma Drone Specification

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Ascent Speed:</td>
<td>5m/s</td>
</tr>
<tr>
<td>Max Decent Speed:</td>
<td>2m/s</td>
</tr>
<tr>
<td>Max Flight Speed:</td>
<td>7m/s</td>
</tr>
<tr>
<td>Hover Vertical Accuracy:</td>
<td>Approximately 10cm</td>
</tr>
<tr>
<td>Motors:</td>
<td>0.33A, 50000+-15% rpm</td>
</tr>
<tr>
<td>Battery:</td>
<td>3.7V 650mAh Lithium-Polymer</td>
</tr>
<tr>
<td>Charge time from discharge:</td>
<td>90min</td>
</tr>
<tr>
<td>Propellers Size:</td>
<td>135mm Diameter</td>
</tr>
<tr>
<td>Flying Weight:</td>
<td>120g</td>
</tr>
<tr>
<td>Flight time:</td>
<td>6.5 MIN</td>
</tr>
<tr>
<td>Working temperature:</td>
<td>0° to 40°</td>
</tr>
<tr>
<td>Size/Dimensions:</td>
<td>330 x 330 x 68 mm</td>
</tr>
<tr>
<td>Stabilisation:</td>
<td>6 Axis Gyro</td>
</tr>
</tbody>
</table>

### Remote Transmitter Specification

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channels:</td>
<td>4 Channel</td>
</tr>
<tr>
<td>Operating Frequency:</td>
<td>2.4 GHZ</td>
</tr>
<tr>
<td>Bandwidth:</td>
<td>2446-2481MHZ</td>
</tr>
<tr>
<td>Band Numbers:</td>
<td>160</td>
</tr>
<tr>
<td>Power:</td>
<td>10 db</td>
</tr>
<tr>
<td>Mode:</td>
<td>GFSK</td>
</tr>
<tr>
<td>Channel Resolution:</td>
<td>1mHz</td>
</tr>
<tr>
<td>Weight:</td>
<td>154.3g</td>
</tr>
<tr>
<td>Input Power:</td>
<td>3.7V</td>
</tr>
<tr>
<td>Size/Dimensions:</td>
<td>221 x 120 x 50 mm</td>
</tr>
<tr>
<td>Operating Range:</td>
<td>80m (No FPV)</td>
</tr>
<tr>
<td>Battery:</td>
<td>3.7V 80mAh Lithium-Polymer</td>
</tr>
<tr>
<td>Charge time from discharge:</td>
<td>15 Min</td>
</tr>
</tbody>
</table>
**Camera Specification**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Resolution</td>
<td>1280 x 720</td>
</tr>
<tr>
<td>Sensor</td>
<td>CMOS</td>
</tr>
<tr>
<td>Storage</td>
<td>WiFi Smartphone App</td>
</tr>
<tr>
<td>WiFi Range</td>
<td>Up to 30 m</td>
</tr>
</tbody>
</table>

**Smartphone Requirements**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Length</td>
<td>190 mm</td>
</tr>
<tr>
<td>Min Length</td>
<td>120 mm</td>
</tr>
<tr>
<td>System Requirements</td>
<td>iOS 8.0 and above, Android 4.4+</td>
</tr>
</tbody>
</table>
FAQ

Q1. The Drone LED lights are flashing. What does this mean?

A1. The Drone is not paired with a Transmitter. Refer to the Drone Setup/Installation section.
A2. The Drone has insufficient battery power. Please charge the Drone battery.

Q2. The Drone’s Rotor Blades spin but the Drone does not take-off?

A1. Insufficient Battery Power. If the Drone LEDs are flashing and the Drone Rotor blades are spinning without any lift, recharge the Drone battery.
A2. The Rotor Blades are distorted. Replace them with only official Kaiser Baas replacement blades.

Q3. Why is the Drone is shaking and not stable in flight?

A1. Please check to ensure the Rotor Blades are not damaged. Refer to the maintenance guide on Rotor Blade care.
A2. Check that all the motors are spinning. Refer to the maintenance guide for more information.

Q4. My Drone keeps tipping when I take-off!

A1. It is often difficult for new Pilots to get used to the take-off procedure. To take-off without tipping, give the Drone a smooth lift of power with the Throttle, rather than a quick movement. Once in the air, keep the Drone level using the Right Stick (Elevator/Aileron).

Q5. The Drone is out of control and is difficult to fly. How can I make it easier?

A1. Prior to every flight we recommend you calibrate the Drone. To calibrate push the Left Throttle/Yaw Stick and the Right Pitch/Roll Stick to the bottom left and hold for 2 seconds until you see the LED indicator lights on the drone start to flash rapidly. The Drone LEDS will stop flashing when calibration is complete.
CONTACT US

Need further assistance? Please visit:
www.kaiserbaas.com/support
Or email:
helpdesk@kaiserbaas.com

To view the entire Kaiser Baas product range and accessories visit:
www.kaiserbaas.com