Map-A7R II Full-Frame Mapping Camera

User Manual

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Contents

Description	1
Disclaimer	1 014 1
Specification	2
Interface Definition	3
Operating Instructions	6 6
Camera Shutter Setting	6
Triggered by Relay	6
Triggered by PWM signal	6 6

Description

Disclaimer

Thank you for purchasing this product. You can log in to the website for the latest product information, technical support and user manual. It is recommended that you download and use the latest version of the user manual. This manual is subject to change without notice.

You can also get product usage information or technical support through official customer service. Due to different production batches, the appearance or function parameters are slightly different and will not affect the normal use of the product.

Please read this statement carefully before using. Once used, it is deemed to be an endorsement and acceptance of the entire contents of this statement. Please read the instruction manual carefully and strictly follow the instructions in this manual to use this product. Foxtech will not be liable for any result or loss caused by improper use, installation, assembly or modification of users.

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Specification

Product	A7R II			
Pixels	42.2 mega pixels			
pixel size	4.5цm			
Minimum exposure time	0.8s			
Sensor size	35.8*23.9mm			
Hot shoes for PPK	Support			
Image size(pixels)	7952*5304			
Shutter speed	30—1/8000			
Size	95mm*75mm*43mm			
Lens	35mm/40mm/56mm			
Power	7.2-8.6V			
weight	219g(Standard),234g(PSDK)			
Parameter Setting	Button/USB			
Date reading	USB/SD card			

Interface Definition



No.	Description	No.	Description
1	POS Card	5	Setting
2	Screen	6	HDMI/USB
3	SkyPort	7	SD Card
4	Restart/Save	8	Menu



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Operating Instructions

1. The camera will take a picture automatically, then it can be used via flight controller or manually.

2. If the memory card is used for the first time. After camera self-check, insert the memory card into the camera and click "OK" button to format, then it can be used normally.

3. When debugging the camera, it is recommended to connect the camera to the monitor or TV using HDMI wire.

Camera Shutter Setting

Triggered by Relay

BRD_PWM_COUNT

1. Connect the shutter release cable to AUX OUT 5 on flight controller. If there is no PPK module, connect the PPK cable to AUX OUT 6 on flight controller.

2. Connect the flight controller to the computer using USB or other data links and open the mission planner.

3. Proceed to the CONFIG > FULL PARAMETER LIST and locate the CAM_TRIGG_TYPE parameter. This parameter must show as "1". If it is not set to 1, change this parameter to 1 before proceeding to the next step.

CAM_TRIGD_TYPE 1 0:Servo 1:Relay 26oPro in Solo Gimbal how to trigger the camera to take a picture

4. Locate the BRD_PWM_COUNT parameter in the same category, and set it to "4", meaning that only the top four of AUX ports will emit PWM signal.

5. Locate the RELAY_PIN in the same category and set its value to "54" which means the shutter release cable connects to the flight controller via AUX OUT 5.

6. Locate the CAM_FEEDBACK_PIN parameter in the same category, and set it to "55", which means the PPK module connects to flight controller via AUX OUT 6.

Triggered by PWM signal

1. Connect the shutter release cable to AUX OUT 5 on flight controller. If there is no PPK module, connect the PPK cable to AUX OUT 6 on flight controller.

2. Connect the flight controller to the computer using USB or other data links and open the mission planner.

3. Proceed to the CONFIG > FULL PARAMETER LIST and reset these four parameters:

4. Set the value of BRD_PWM_COUNT in the same category to "5", meaning that only the top five of AUX ports will emit PWM signal.

BRD_PWM_COUNT

5. Locate the SERVO13_FUNCTION in the same category and set its value to "10" which means the shutter release cable connects to the flight controller 13 port.



6. Locate the CAM_FEEDBACK_PIN parameter in the same category, and set it to "55", which means the PPK module connects to flight controller via AUX OUT 6.

Setting camera on APP and PC

https://helpguide.sony.net/ilc/1520/v1/en/index.html

5

Imaging Edge Mobile for Android

https://www.foxtechfpv.com/product/cameras/map-a7r-2/imaging_edge_mobile

<u>7.6.0.apk</u>

Please download Imaging Edge Mobile(for IOS) in APP Store.

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