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AirCross 2 Overview



Installation and Balance Adjustment

Installing the Battery

- a. Press the battery lock downwards;
- b. Take out the battery;
- Remove the insulating film at the electrode;
- d. Attach the battery electrode to the gimbal.
- e. Press the battery into the hatch

Attaching the Tripod

Attach the tripod to stand the gimbal.

- a. Screw the tripod tightly into the 1/4" hole at the bottom of the gimbal.
- b. Expand three support feet, place the gimbal on a flat surface



Unlocking Motors

The AirCross 2 gimbal has 3 locks which are used to lock motors to prevent rotation.



Notes: Please unlock all motor locks before starting on the gimbal, otherwise motors will get overheated or enter the protection mode.



Mounting the Camera

Horizontal Mounting

a. Place the longer side of the L-Bracket under the camera, and lock the camera with a 1/4"screw.



Vertical Mounting

a. Place the longer side of the L-Bracket under the camera, and lock the camera with a 1/4"screw.



b. Loosen the quick release knob screw, Pull out the safety lock at the end of the quick-release knob, insert the shorter end of the L-Bracket into the quick release baseplate, and then lock the knob.



b. Loosen the quick release knob screw, pull out the safety lock, insert the longer end of the L-Bracket into the quick release baseplate, and then lock the knob.



Use the Arka quick release plate for vertical shot:

 a. Place the arka-swiss quick release plate horizontally under the camera and use a 1/4" screw to lock the camera;





b. Loosen the quick-release knob and pull out the safety lock at the end of the quick-release

knob. Install the Arka quick-release plate into

the quick-release base. Then lock the knob.

Note: The camera can only be installed vertically using the Arka quick release plate. It does not block the camera's battery port and memory card slot.

Balancing

a. Loosen the knob of the tilt arm, adjust the tilt arm back and forth until the lens moves horizontally forward, and then lock the knob.



b. Rotate the camera to make its lens face upward, lossen knob on the release plate, adjust the release plate back and forth until the lens faces straight upward, and then lock the knob.



c. Loosen the knob of the roll arm, adjust roll arm leftwards and rightwards until it remains horizontal, and then lock the knob. d. Hold the gimbal horizontally to make the pan arm level with the ground, then lossen the knob on the pan arm, adjust the pan arm leftwards and rightwards until it remains level, and then lock the knob.





Note: Please release the motor lock of the axes before balance adjustment, otherwise it can't be adjusted accurately. Please ensure that the MOZA AirCross 2 is balanced well before use.

Buttons and OLED Display

Button Functions

Button	Operation	Function	Customizable Function					Menu	
	1X click			Focus	Photo				The same
	2X click	Re-center		Re-center	Selfie		—		The same
Trigger	3X click	Selfie		Re-center	Selfie	—		—	The same
	Hold	Pan-tilt follow	—	Pan-tilt follow	All lock	Sport gear mode	FPV	—	The same
	Click and hold	All lock	—	—		—	—	—	The same
_	1X click	Switch wheel modes	—	—		—	—	—	The same
Power Button	2X click	Sleep/wake up	_				—		The same
	3X click	Switch Grouping of Wheel Modes	—	—	—	—	—	—	—
	Long press	ON/OFF	—	—	—	—	—	—	The same
Smart Wheel	Turn	Focus motor 1	Focus motor 1	Focus motor 2	E-focus	Tilt cixis	Roll axis	Pan axis	The same
la: stial:	Push up/down	Move the tilt axis	Tilt axis	Roll axis	Pan axis	—	—	—	The same
JOYSHER	Push left/right	Move the pan axis	Tilt axis	Roll axis	Pan axis	—	—	—	The same
Top Button	1X click	Tilt follow	—	—	—	—	—	—	Option-up
Down Button	1X click	Pan follow	—	—	—	—	—	—	Option-down
Left	1X click	Roll follow	—	—	—	—	—	—	Return
Button	3X click	FPV mode	—	—	—	—	—	—	
Right	1X click	Sport gear mode	—	—	—		—	—	Confirm/Next menu
bollon	3X click	Inception mode	—	—	—	—	—	—	
	1X click	Video recording	—	—	—	—	—	—	Video recording
Center Button	2X click	Take photo	—	—	—	—	—	—	Take photo
	Long press	Enter menu	—			—	—	—	Exit menu
Dial Wheel	Turn	Adjust the follow speed	—		—	—	—	—	Adjust relevant parameter
Combo	Power+center button	Firmware upgrade			—	—	—	—	

OLED Display



A: Smart wheel working modes

(Fi) Controlling external follow focus motor 1

- Fel Controlling external follow focus motor 2
- Fel Electronic follow focus
- Controlling the tilt axis
- Controlling the roll axis
- Controlling the pan axis
- B: Focus motor connection status, Icon will be displayed after connection, otherwise it won't be displayed. Up to two focus motors can be connected at the same time.
- C: Camera connection status. Icon will be displayed after USB connection, otherwise it won't be displayed.
- D: Battery level. Each grid represents 25% battery level. When the icon is empty, please charge the battery in time.
- E: Follow speed value: 0-100. Turn the dial to adjust the value
- F: Follow status
 - L: Lock. The axis locks and doesn't follow.
 - F: Follow. The axis follows.
 - Q: Sport Gear Mode

LED Indicators

Power on: automatic color changing Sport aear mode: solid blue Inception mode: solid blue Sleep mode: slowly flashing green Motor protection mode: solid red Warning alarm: quickly flashing red Firmware upgraded: breathing yellow

A Note: The button functions and light colors above are the factory default settings. You can customize some button functions and light effects in the menu

Menu Description

						1
LI	L2	L3	L4	L5	Value	Function
		Shutter Cable	Shutter Cable		•	set the connection type to universal shutter cable
		MCSC-Multi			•	set the connection type to Sony-Multi port
camera		MCSC-Multi/C			•	set the connection type to Sony-Multi port and power supply
		MCSC-Remote			•	set the connection type to Panasonic-Remote port
		M3C-USB			•	set the connection type to USB port
		ISO			32106400	Set the camera ISO
		TV			301/8000	Set the comero shutter
		A.V.			E1_E22	Set the comerci operture
		switch			2 /ok	ture on loff motor
		34411011	autotuno		2 /ok	tuning (tunod
			GOIOIOIIC	ulture Carlet	: / UK	
				ulira igni		set motor level to the minimum
				ligni		sei motorievei to light
			level	medium	*	set motor level to medium
		power		heavy	•	set motor level to heavy
	motor			ultra heavy	*	set motor level to ultra heavy
				tilt	0-100	set tilt motor power
			custom	roll	0-100	set roll motor power
				pan	0-100	set pan motor power
			tilt		0-100	set tilt motor filter
		filter	roll		0-100	set roll motor filter
			pan		0-100	set pan motor filter
			tilt		on/off	enter/exit tilt follow mode
		switch	roll		on/off	enter/exit roll follow mode
			nan		on/off	enter/exit pan follow mode
			tilt		0.100	set the following speed of tilt motor
	follow	speed	roll		0.100	set the following speed of hill motor
			000		0-100	
			pun		0-100	set the following speed of pan motor
		deadband			0-100	set the following initiation angle of the motor
			roll		0-100	set the following initiation angle of roll motor
			pan		0-100	set the following initiation angle of pan motor
			function	left-right	tilt/rol/pan	move the joystick left/right to control the filt/roll/pan rotation
				up-down	tilt/rol/pan	move the joystick up/down to control the filt/roll/pan rotation
		iovstick	sensitivity	left-right	0-100	set sensitivity level of left-right movement
		,,	,	up-down	0-100	set sensitivity level of up-down movement
			habits	left-right	+/-	set the control habit of joystick left/right movement
			nuons	up-down	+/-	set the control habit of joystick up/down movement
				focus-1	*	control the external focus motor 1
				focus-2	•	control the external focus motor 2
				focus-e	•	control the electronic focus
			function	+11+	•	control the pan axis
		wheel		roll	*	control the tilt axis
				nan	•	control the roll axis
			consitivity	pun	0.100	wheel constituity
			babits		0-100	wheel sensitivity
gimbal			nuons		+/-	set the control direction of wheel roldition
	operation			none	*	none
				TOILOW	*	enter pan-tilt tollow mode
			hold	lock	•	enter all lock mode
				quick	•	enter sport gear mode
				FPV	*	enter FPV mode
				none	•	none
		trigger	click	shutter	•	take photo
		mggei		focus	*	auto focus
				none	•	none
			double-clic	re-center	•	re-center
				selfie	•	rotate the aimbal 180° for selfie
				none	•	none
			triple-click	re-center	•	re-center
				colfio	•	ratata tha aimhal 1909 far solfia
1				130(110)		

L1	L2	L3	L4	L5	Value	Function
		dial	habits		+/-	rotate the dial clockwise to increase/decrease value
gimbal	operation	I ED	switch		? /ok	turn on/off LED light on the wheel
		LED	brightness		0-100	adjust the brightness
	autotune				? /ok	auto tune
	balance cl	hk				check the balance state of camera
			switch		?/ok/err	turn on/off the focus motor 1
			set A		? /ok/err	set the point A of focus motor 1
		F1	set B		?/ok/err	set the point B of focus motor 1
			Clear AB		?/ok/err	Clear the calibration information
			Guidance		>	Enter the guidance mode
	iFocus		switch		?/ok/err	turn on/off the focus motor 1
			set A		? /ok/err	set the point A of focus motor 1
		F2	set B		?/ok/err	set the point B of focus motor 1
			Clear AB		?/ok/err	Clear the calibration information
			Guidance		>	Enter the guidance mode
		Dolly Zoom	1		>	Enter the dolly zoom mode
advanced	inception	speed			0100	set the rotation speed of inception mode
	motion sen		tilt		? /on/off	turn on/off the motion control of tilt axis
		switch	roll		?/on/off	turn on/off the motion control of roll axis
			pan	pan		turn on/off the motion control of pan axis
		speed			0-100	set the rotation speed of motion control
	tracking	speed			0-100	set the max speed of tracking
		tilt			on/off	turn on/off the manual positioning of tilt axis
	manual po	roll			on/off	turn on/off the manual positioning of roll axis
		pan			on/off	turn on/off the manual positioning of pan axis
		gyro			? /ok	calibrating/calibrated the gyroscope
		acc			? /ok	calibrating/calibrated the accelerometer
	calibration		tilt		0-100	set the offset value of tilt axis
		angle offse	roll		0-100	set the offset value of roll axis
			pan		0-100	set the offset value of pan axis
	language	English			*	switch display language to English
	langoage	中文			*	switch display language to Chinese
		config1	save		? /ok	save to configuration 1
		comigr	load		? /ok	load configuration 1
General		config2	save		? /ok	save to configuration 2
general	config	comigz	load		? /ok	load configuration 2
		config3	save		? /ok	save to configuration 3
		Cornigo	load		?/ok	load configuration 3
		reset			? /ok	restore default parameter settings
	about					device name and firmware information

Menu type introduction:

If there is a ">"mark at the right side of the selected item, press the dial right button for the next menu.

If the selected item has a " [] "and contains a number, rotate the dial to adjust its value.

If the selected item has a "()"and contains an option, press the right button to switch among options

Notes:

1. If there is a "*" at the right side of one item, the current list is the final option, press the dial right button to launch it.

2. If the selected item and other items in the menu list don't have any marks, press the dial right button to launch the option once. "?" is displayed during the process. "OK" is displayed after the process is completed, and "ERR" is displayed if the option fails. 3. Filtering parameters: When the motor vibrates with highfrequency, the value should be turned down. When the motor vibrates with low-frequency, the value should be increased.

4. The manual positioning function has lower priority than the following function. When using manual positioning functionnormally, following function of the axis should be turned off.

Features Description

Camera Control

The AirCross 2 can support camera video recording, photo taking and electronic focus control. Please refer to the compatibility list for more details (* Please set the lens to "MF"mode)

NO	Brand	Camera Model	Connection	Cable	Cantol Protocol	Shutter	Recording	Auto Focus	Electronic Focus	AV	TV	ISO	Power Supply
1		5D2				* 1	4	4	4	4	Ń	1	
2		5D3				* 1	4	4	4	4	1	1	
3		6D				* 1	1	4	4	1	N.	1	
4		6D2	1	M3C-Mini		* 1	1	4	4	1	J.	1	
6	Canon	400	M3C 1158			+ 1	1	3	4	J	J	4	_
-		170	100-030			+							
-		770			US8		1						
		000					<u> </u>				×		
- °		304		M3C-M000	-						× .		
- 9		EO2 K		M3C-C		A 1	N.	N.	N I	N	N.	N .	
10	A Charac	D850		M3C-Micro		- X	- V	N.	N.	N	Ň	Ň	
11	NIKON	Z6	M3C-USB	M3C-C		× -	× ×	N.	×.	N	Ň	Ň	
12		27				4	1	- V	4	1	1	1	
13		A7S	MCSCANIE	MCSC-MUB		4	1						
14		A7R				4	4	V					
15		A6300				4	4	1					Ń
16		A6400				4	1	V					1
17		A6500				4	4	1					Ń
18		A752				4	4	V					×
19	Sony	A7R2		MCSC-Multi/C	Multi	4	4	4					Ń
20		A7M3	MCSC-Multi/C			4	4	4					1
21		A7R3				4	1	4					×
22		A9	1			4	1	4					Ń
23		RX100	1			4	1	4					Ń
24		RX 100 M4				4	4	4	_				1
25		RX 100 MS				1	1	1	_	_	_		1
26		A75					1	1	_	4	J.	1	
27		A.7P					1	3		J	J	1	_
		1/200						-					-
20		A6300									- X - J		
20		A (500	-				1						4
30		A6300									×		
31	Sony	A/SZ	MACLISE	M3C-Micro	1158		N.	N.		×	V .	N .	N N
32		A/K2					N.	- N		N I	N V	N I	N I
35		A/M3					N N	N.	N N	×	V.	N I	N I
- 34		A/K3					× -	N.		N	N.	N.	N I
35		A9					1	- V -	4	1	1	1	Ń
36		RX100					1	1		1	1	1	N.
37		RX 100 M4					1	4		4	4	4	N N
39		G7				1	1	1					
40		G85	WORK Description	UCTO Demole	were non	4	1	4					
41	Panasonic	GH3	MCSC-Remore	Mcsc-kemole	MCSC-REITE	1	1	4					
42		GH4				4	1	4					
43		GHS	M3C-USB	M3C-C	US8	× -	× -	× .	N.	N	×	N.	
44		X-12				1	1 X	3	<u> </u>		Ň	<u> </u>	
46	Fujifilm	X-T20	UCSC C1	MCSC C1		4	Ŵ.	4	_		_		
47		X-T3	MC3C-C1	MC3C-C1	Fuji shutter	4	4	4					
48		X-T30		Outline cohia libol naade in		4	4	Ń					
49	Others	Others	Shutter cable	be prepared separately	shutter	4	4	- vi	-	_	-	_	_

Operation Steps:

- Long press the center button to enter the menu, refer to the compatibility list to select the correct camera type.
- b. Refer to the list to choose and connect the camera control cable. Connect the Mini-USB end of the control cable to the control port of AirCross 2. Connect the other end to the corresponding control port of the camera.

c. After selecting the camera type and connecting the camera control cable, press the menu button once to achieve recording and press it twice to achieve photo taking.



1. Cameras equipped with Micro USB 3.0 interface, such as the Nikon D850, can be normally controlled by half plugging the M3C-Micro cable.



After plugging the camera control cable, please operate the camera according to the prompts on the camera screen, otherwise the camera control function may not work properly.

Motor Output

The payload of AirCross 2 is from 300g to 3200g. Different payload requires different motor power to achieve the best stability. There are three methods for adjusting the output of the motor:

Auto-tuning operation method:

- a. Install the camera and adjust the balance
- b. Unlock all motor locks
- c. Turn on the stabilizer, long press the center button to enter the menu, select 'Gimbal' > 'Motor' > 'Power' > 'Auto-tune'
- d. During the auto-tuning, the stabilizer will vibrate automatically to match the most suitable output value. Wait for about 5 seconds, the stabilizer stops shaking, and the auto-tuning completes.



Set the output gear:

Factory default presets 5 groups of motor output values, which are suitable for cameras of different weight levels.

Customize the output value of each motor:

The users can customize the output value of each motor to reach more precise control of the motor output. The adjustment range is 0 to 100.

Note:

 Under the camera lens combination of the limit, the auto-tuning function may not accurately calculate the appropriate output value. Please manually adjust the motor output according to the situation.

If the motor output is too low, the shooting picture will not be stable enough; if the motor output is too high, it will cause high-frequency vibration of the stabilizer.

3. When the motor output is at the critical value, the stabilizer will not vibrate in the upright state, but it will vibrate in the forward or inverted state. Please reduce the motor output moderately.

PFV, Sport Gear Mode

When the follow function is enabled, the camera will follow the movement of the gimbal.

Users can enable the follow mode of each axis thru dial buttons and turn the dial to adjust the following speed, which can be also enabled in the menu.

Follow Mode Switch	Example 1	Example 2
Enter the tilt follow		
Exit the tilt follow		
Enter the roll follow		
Exit the roll follow		

A Note:

- 1. The AirCross 2 is in pan follow mode by default.
- In addition to switches that enable the follow mode of each axis independently, commonly used follow modes can be also enabled by trigger, please refer to Page4 'Button Functions' for more details.
- The angle of the roll follow is 45°. For a larger following angle, please triple click the left button to enter the FPV mode to achieve 360° follow of three axes.
- If faster following speed is required, please click the right button to enter the sport gear mode. (Currently only supports the pan axis)

Manual Positioning

Manual positioning is used to quickly adjust the lens orientation. When manual positioning is enabled, turn the camera orientation by hand and the camera will stay in the final direction without returning to the initial position. The adjustment speed is faster than that of using the joystick control or follow control.

The manual positioning of the tilt axis is enabled by default on the AirCross 2. Manual positioning of the roll and pan axes can be enabled in the menu.

camera >	>	balance chk		tilt	[off]	tilt	[on]
gimbal >	>	iFocus	>	roll	[off]	roll	[off]
advanced >	>	inception	>	pan	[on]	pan	[on]
general >	>	manual pos	>				

Note: The follow function has higher priority than manual positioning. When the follow function of any axis is on, the manual positioning function cannot be used. Only after the follow function is off, the manual positioning can be used normally.

Button Customization

Button Customization is used to specify the function, sensitivity and operation direction of each button according to the user's habits. For Example:

By default, moving the joystick up and down controls the tilt axis rotation. It can be changed to control the roll or pan axis rotation by customizing;

By default, moving the joystick left and right controls the pan axis rotation. It can be changed to control the tilt or roll axis rotation by customizing.



The higher the sensitivity of the button, the more sensitive and faster the control is. If you change the 'custom' to -, the direction of operation will be opposite. For more button customization, please refer to Page6 Menu Description.

Inception Mode

The Inception Mode is used to control the camera to rotate in the roll direction for shooting upside down and rotating footages. In the main interface, triple click the right button to enter the Inception Mode. After entering the Inception Mode, the camera lens is vertically up and each axis automatically follows.

Button Definition for Inception Mode:

• Turn the joystick left or right: the gimbal turns to left or right, when

release or turn to a specified angle, the gimbal stops.

- Turn the dial: adjust the rotation speed
- Press the left button on the dial once: the gimbal rotates to the left automatically. If the gimbal is rotating, press once to stop.
- Press right button on the dial once: the gimbal rotates to the right automatically. If the gimbal is rotating, press once to stop.
- Press up/down button on the dial: select rotationangle
- Normal: gimbal rotatesand does not stop automatically
- 180: the gimbal rotates 180° and stops automatically.
- 360: the gimbal rotates 360° and stops automatically.



Triple click the right button again to exit the Inception Mode.

Balance Check

The gimbal can check the balance status of each axis automatically and instruct users to make the correct adjustment.

- Attach a tripod to the gimbal, turn on the gimbal and place it on a horizontal tabletop.
- b. Enter the menu, select advanced>balance chk, the gimbal begins to check the balance adjustment.



- c. When balance check is completed, the balance status of each axis will be displayed on the screen, direction guide will be also displayed if the adjustment is needed.
- d. C means quick release plate, T means tilt axis, R means roll axis, the direction can be viewed at the corresponding position of the gimbal, then start the adjustment according to the screen prompts.
- e. When adjustment is completed, press the right button and check it again until the gimbal is well balanced.

Note:

Balance check can be only used with the tilt and roll axis, the pan axis balance can't be checked.

Be sure that the motor lock has been released when using balance check.

Sensor Calibration

Gyroscope Calibration

Turn on the gimbal and leave it quietly for about 5 minutes, the gyroscope collbration is required when the gimbal drifts obviously. The steps are as follows:

- a. Turn on the gimbal (long press the power button)
- b. Turn off the motors (double press the power button/enter the menu, select gimbal>motor>switch, set 'off')
- c. Leave the AirCross 2 on the table and don't shake it or the desktop.
- d. Enter the menu, select advanced>calibrate>Gyro cali and press the dial right button, wait about 5 seconds, when the '? ' changes to 'OK', the calibration is completed.



Accelerometer Calibration

Turn on the gimbal and there is no obvious drift, the accelerometer calibration is required when the camera doesn't keep level. The steps are as follows:

- a. Turn on the gimbal (long press the power button)
- b. Turn off the motors (double press the power button/enter the menu, select gimbal>motor>switch, set 'off')
- c. Leave the L-shaped quick release plate on the horizontal table. Avoid the bottom screw and keep the AirCross 2at static position. Do not shake the it or tilt it. (or mount the camera to refer to its level)
- d. Enter the menu, select advanced>calibrate>Acc cali, and press the dial right button to enter calibration. Wait about 5 seconds, when the '? ' changes to 'OK', the calibration is completed.



Note:

 Please keep the gimbal stationary during the calibration, any shaking will cause the calibration to deviate. 2.Any drastic shaking might cause 'err' shown on the screen, please calibrate again. 3.Do not arbitrarily perform calibration operations while it is not necessary.

Offset

In case of emergency shooting, the camera cannot be leveled and there is no time for sensor calibration, the camera can be adjusted to a horizontal state by offset.

- a. Turn on the gimbal and the camera level, check the offset of the tilt and yaw axis.
- b. Enter the menu, select advanced>calibrate>offset, select an axis that is not horizontal, and then turn the dial to adjust the fine adjustment value of the axis until the camera completely keeps level.



Notes:

1. The offset can only adjust the angle of each axis within the range of about $\pm 5^{\circ}$, if there is too much offset, the camera cannot be completely leveled. 2.Offset is only a temporary solution, after shooting, accelerometer calibration is still needed. 3.The parameters of the offset will not be saved and will become invalid after restart.

Language Switch

The AirCross 2 supports both Chinese and English. After turning on the gimbal, users can switch language in the menu.

camera :	> language	>	English		English	*
gimbal :	> config	>	中文	*	中文	
advanced :	> about					
general	>					

User Configuration Management

The AirCross 2 can save 3 groups of user data like camera type, motor output, button operations and other parameters, so users can retrieve relevant parameters previously used and avoid trouble of setting parameters each time when changing the camera.

camera	>	language	>	config1	>	save
gimbal	>	config	>	config2	>	load
advanced	>	about		config3	>	
general	>			reset		

When configuration data is confusing, users can select "restore configuration" to clear all previous configuration data.

Extension

Manfrotto Quick Release System

The AirCross 2 is equipped with a Manfrotto quick release baseplate and a plate which make it facile for users to change shooting equipment. When using the Manfrotto quick release system, please install the baseplate onto the longer end of the L-Bracket, so that the knob screw onto the baseplate is exposed. Then fix the camera onto the release plate.



Two Camera Mounting Directions

By default, the camera handle side is located near the tilt motor to allow an unobstructed access to the camera control ports; however under some special circumstances, the camera control ports side should be located near the tilt motor.

Rightward installation is required under the following situations:

a. The camera size is too wide like BMPCC.

b. A specialized camera cage is used.

c. The camera lens is too heavy to adjust the balance





Regular installation

Rightward installation

Rightward Installation steps:

- a. Mount the L-Bracket at the bottom of the camera with the short end near the side of the lens;
- b. Rotate the roll arm 180° until the tilt motor is located at the left side of the roll motor;
- c. Mount the shorter end of the L-Bracket on the release baseplate.

Notes:

1. Some camera cages are equipped with ARCA standard release plate. These special cages can be mounted directly on the AirCross 2, gimbal without using the L-Bracket. 2.Some special cages have no Arca standard quick release plate on the side ,TheArka quick release plate can be mounted on the side of the camera rabbit cage with a 1/4" screw and then mounted to AirCross 2. 3.When camera is mounted in this way, the camera control port or HDMI port will be blocked.

Smartphone and PC Connection

The AirCross 2 is equipped with BLUETOOTH 4.0 and can be connected with smartphones. Users can set parameters, shot time-lapse video, upgrade firmware and make other operations via the MOZA Master App. With a Type-C USB interface, the AirCross 2 is able to be connected to a computer. Users can set parameter, upgrade firmware and make other operations via the MOZA Master software.

Download Link: https://www.gudsen.com/moza-aircross-2

ANote:

 The MOZA Master supports iOS, Android, Windows and MacOS
Before using the MOZA Master on computer, please install the driver first, otherwise the computer cannot recognize the AirCross 2
Smart phones cannot directly pair with the AirCross 2 via Bluetooth, MOZA Master App must be used to connect your phone with the AirCross 2

Install the Phone Holder

Install the phone on top of the camera.Operate object tracking through App.

a. Fix the phone holder to the hot shoe connector on the top of the camera

b. Place the phone horizontally in the phone holder

c. Open the App.Enter the object tracking feature. Adjust the phone angle. Make the phone framing as consistent as possible with the camera framing.



In addition to being mounted on the top of the camera for object tracking, the phone holder can also be used to fasten the phone to tripod head for mimic motion control.

Firmware Upgrade

Upgrade via computer:

a.Turn off the gimbal.

b.Long press the center button, then press the power button with the other hand until the prompt 'Boot Mode' appears on the screen.

c.Connect the gimbal to the computer with a USB Type-C cable.

- d.The software will automatically identify the device and load the firmware. Press the 'Upgrade' button and wait for about 30s.
- e.Restart the gimbal after the upgrade.

Upgrade via App:

a.Turn off the gimbal.

- b.Long press the center button, then press the power button with the other hand until the prompt 'Boot Mode' appears on the screen.
- c.Start App, press Bluetooth to search for AirCross 2 device and connect.
- d.The App will automatically enter the firmware upgrade interface, please wait for the firmware download to complete, press the 'upgrade' button and wait for about 5 minutes.
- e.Restart the gimbal after the upgrade.

Note:

Make sure the gimbal is fully charged and the computer or mobile phone network connection is normal during the upgrade.

Do not disconnect the gimbal from power, USB cable or Bluetooth during the upgrade, otherwise the upgrade will fail.

Please re-install the batteries and try to upgrade again until the upgrade is completed.

Specs

	Specs	
Body weight (g)	Battery excluded	950
Devide and (a)	Minimum	300
ody weight (g) ayload (g) imension (mm) camera Tray Dimension mm) techanical Endpoint ange(°))peration Temperature (°C))peration Voltage)peration Voltage)peration Current attery	Maximum	3200
Dimension (mm)	Storage dimension	360*220*100
Camera Iray Dimension	Release center to roll axis	120
(mm)	Release center to tilt axis	125
()	Release center to the peak of tilt	75
Mechanical Endpoint	Pan	360° continuous
Range(°)	Roll	360° continuous
(dilgo()	Tilt	360° continuous
Operation Temperature	Lowest	0
(°C)	Highest	50
Operation Voltage	Standard	7.4
Operation Current	Dynamic (mA)	200
	Model	M2S30QB
	Туре	Li-ion
Patton	Standard capacity (mAh)	3000
builery	Standard voltage (V)	7.4
	Charging time (H)	1.5
	Battery life (H)	12
	Bluetooth	4.0 BLE
	2.4G	50m
Connections	USB in	USB -C
	Camera control port	Mini USB 10PIN
	Accessory extension ports	Multi-CAN*3