ZWO
CMOS CAMERA EXPERT

ASIAIR PRO

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SKU: ZWO ASIAIR-PRO Categories: Accessories, New Arrival

Description	Shipping&Warranty	Software&Manuals	Q&A (999)	

Product Description

ASIAIR PRO is a smart WiFi device. It is equipped with a lightweight power management module, ample USB interfaces, and multiple dovetail mounting methods.

With the rich features of the ASIAIR App, the whole procedure from device integration to image capture runs particularly smooth.

ASIAIR PRO is the second generation of ZWO that has been continuously improved and newly designed since the first generation of ASIAIR was released in July 2018.

Outstanding Features

1. Excellent craftsmanship, strong tactile appeal

Superb craftsmanship with a strong tactile appeal ASIAIR PRO shell is made out of aluminum and processed by CNC tech. After the surface is anodized, it not only protects the shell well, but also has a comfortable feel. The size of the whole machine is 92 x 67 x 35 mm, making its size and weight excellent, which can be easily grasped by hand.


2. Unique look and easy installation

The slot/port position of ASIAIR PRO is nice and symmetrical, with M4 and 1/4 inch openings on the bottom and the side. With the use of the dovetail, the installation and removal become easy. The whole machine adopts bright vibrant Ferrari red tones, and the front is painted with laser star maps of the constellation Ursa Minor and Ursa Major, which is very beautiful.

## 3. Integrated power management, more storage space

ASIAIR PRO is equipped with a lightweight power management module. There are four DC 5.5 x 2.1 mm power outputs on the side of the body, one DSLR shutter release port, two USB 2.0 and USB 3.0 ports each. The power supply is stable and reliable, the interface is rich and diverse, and the wiring is easy and orderly. It also comes with 84 GB of free storage, so you can capture images freely.
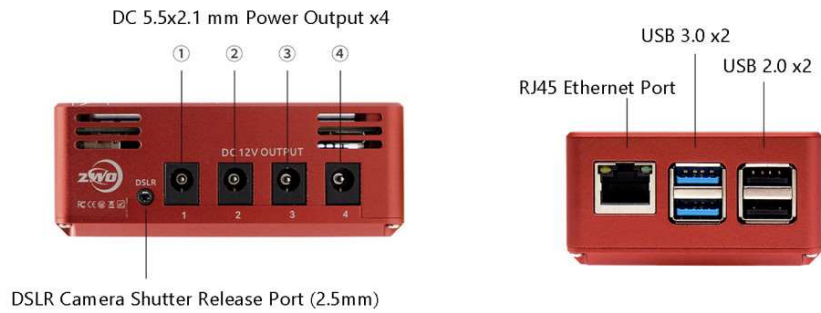
Note：ASIAIR PRO's USB power supply is not enough for ASI6200/ASI2600/ASI533//ASI071MC cameras to work normally, so please use an external 12V power supply, which can be connected to the ASIAIR PRO's power management as well.

4. LED indicator, clearly indicates the working status

The LEDs will show the working status clearly. What's more, it has the key operation warning tone, which makes the whole operation under control.
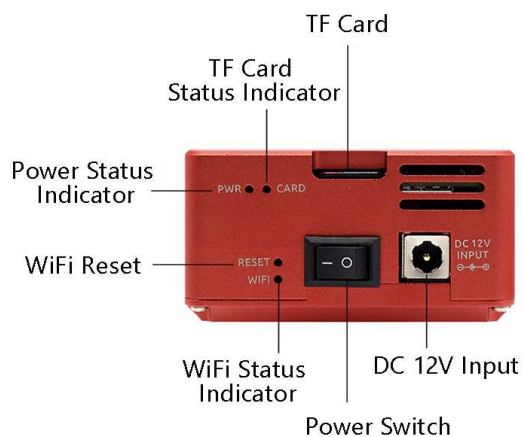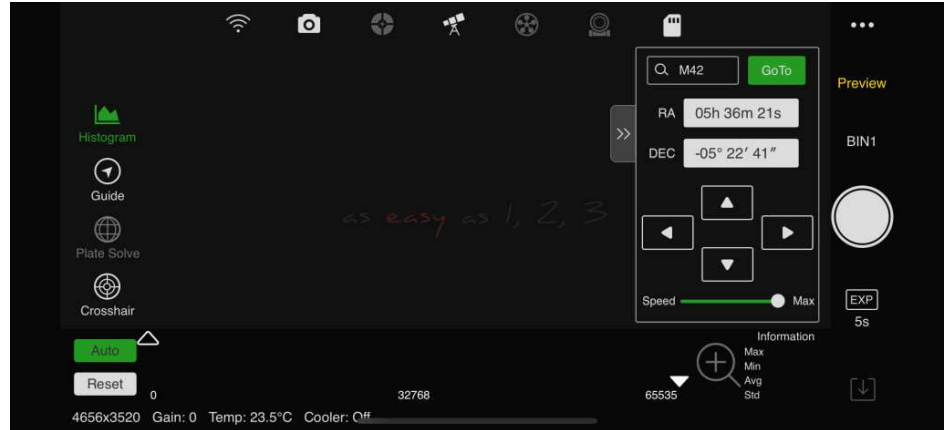
Note: You can enhance the WiFi signal of ASIAIR by using the ZWO WiFi extender.

App Functions

ASIAIR supports both iOS and Android systems.

	OS Version	Phone	iPad/Tablet
iOS/iPadOS	10.0.2 and upper	iPhone 5s and later series	iPad/iPad Mini/iPad Pro
Android	6.0 and upper	All Android phones (RAM≥4GB)	Tablet with Android OS (RAM≥4GB)

1. Simple APP interface, as easy as 1, 2, 3.

2. Accurate focus: After the rough focus is completed, select one star, then accurate focusing can be done through curves such as brightness and HFD. Start from version v1.5.3, the autofocus can also be completed with ZWO EAF by remote control.
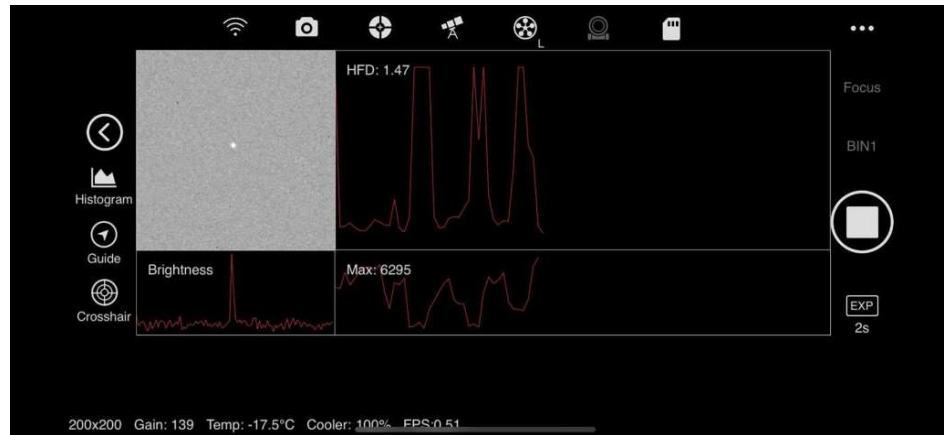

3. Polar Alignment: Based on the powerful plate-solving function, you can finish arc-second polar axis alignment only within few minutes.
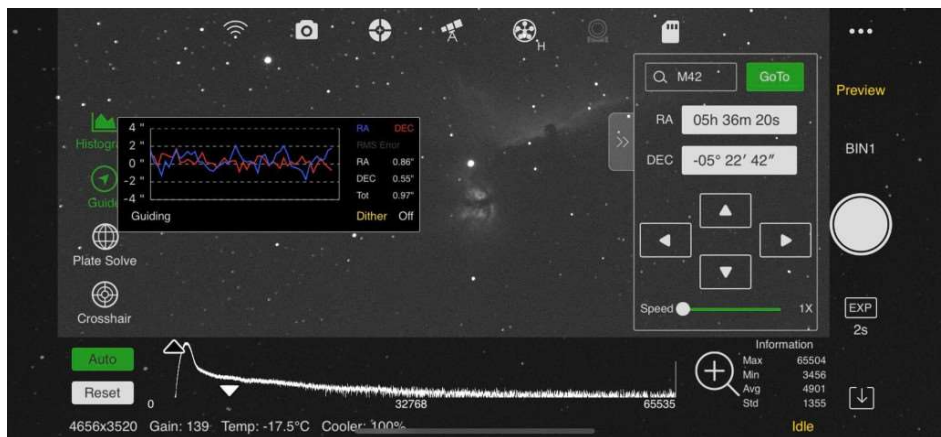

4. Accurate GoTo: With the rich celestial object database, precise GoTo can be achieved after selecting the target.

5. Stable guiding: Independent and stable guiding can be achieved without the PC. You can choose single-star guiding or multi-star guiding as you wish.
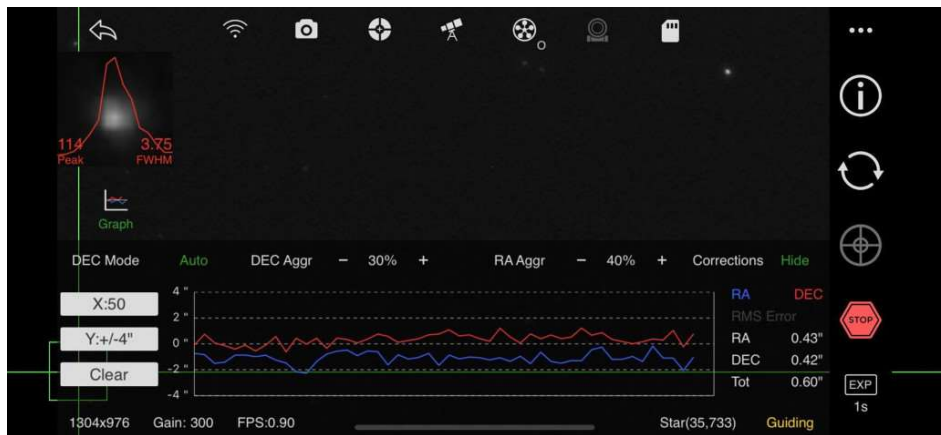
6. Preview mode: You can see the image of the target directly under 'Preview'.

7. Autorun: Set the target and configure the schedule, ASIAIR will execute the imaging sequence automatically.
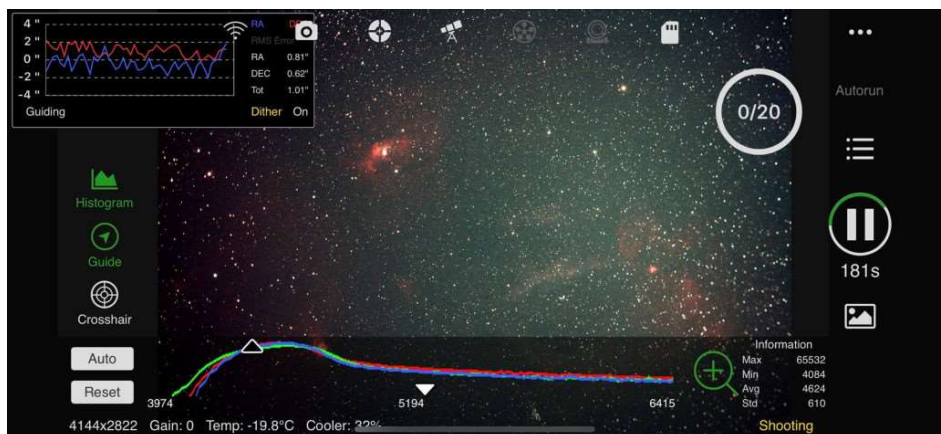
8. Live Stacking: You can see the stacked image (lower noise with calibration frames) of the target directly while capturing.

Single-frame
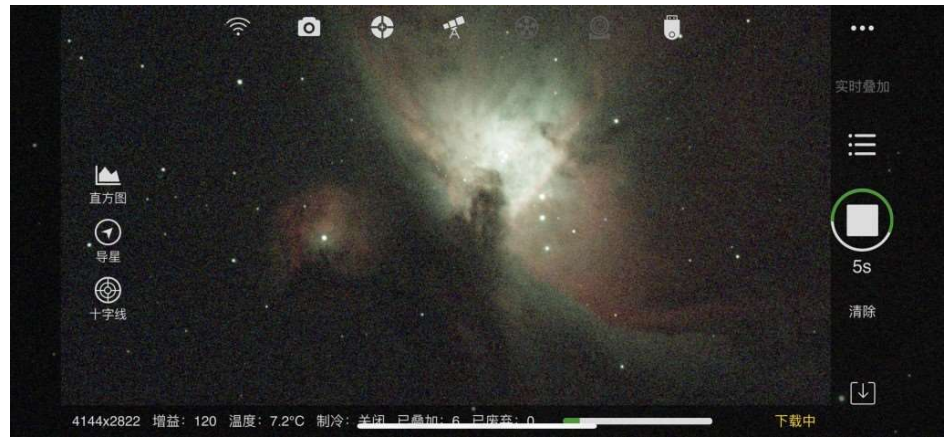
Live stacking
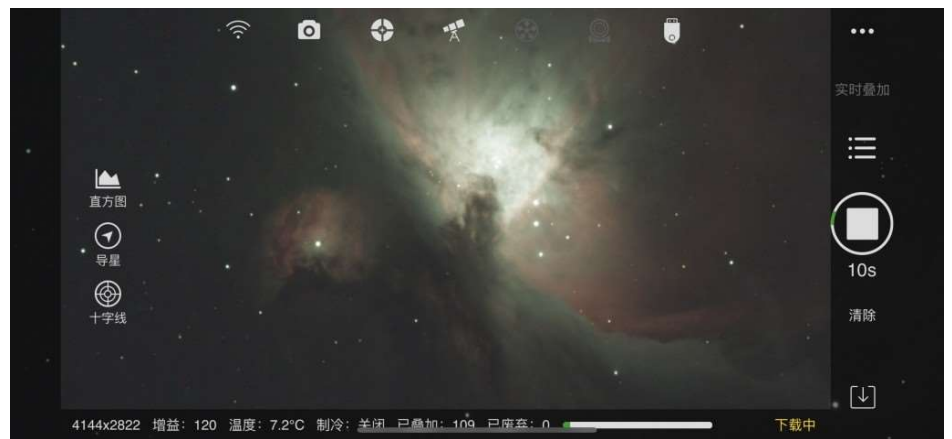
Nonlinear stretch

9. Video mode: This mode allows you to capture videos in order to do planetary imaging. The video can be saved as an MP4 in your phone so that you can directly share it on the social network.

10. Plan mode: Capture multiple objects in one night unattended.

Supported DSLRS & MILCS

ASIAIR PRO is a smart WiFi device that allows you to control Mainstream DSLR cameras.

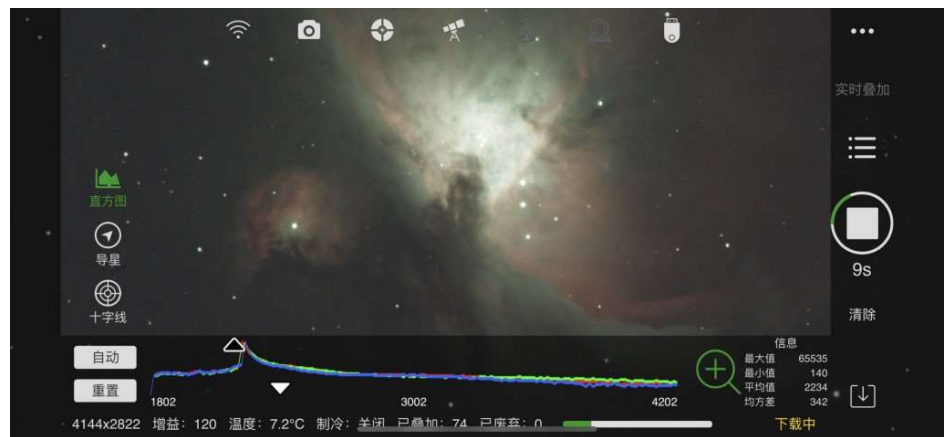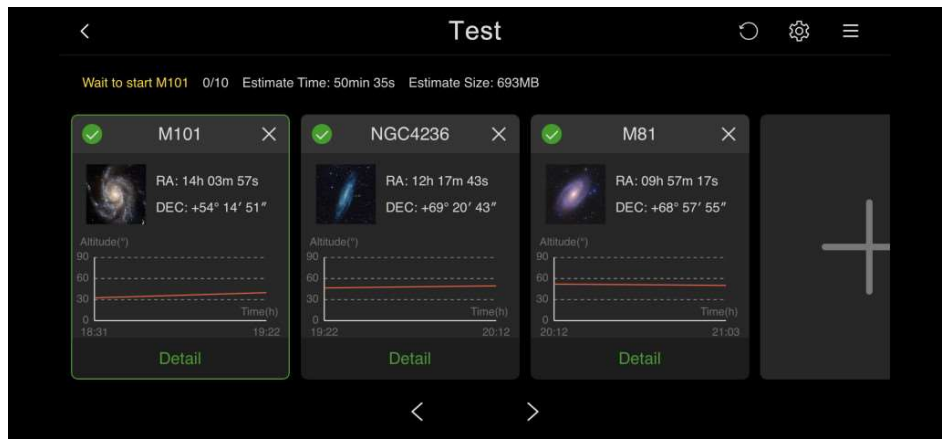| Canon				Nikon			
MODEL	STATUS	MODEL	STATUS	MODEL	STATUS	MODEL	STATUS
1D X	Tested	100D	Tested	Df	ⓘ	D7100	Tested
1D X Mark II	Tested	200D	Tested	D4	ⓘ	D7200	ⓘ
1D Mark III	ⓘ	250D	Tested	D5	ⓘ	D7500	Tested
1D Mark IV	ⓘ	450D	Tested	D500	ⓘ	D300	Tested
5D Mark II	Tested	500D	Tested	D600	Tested	D300s	ⓘ Ⓝ
5D Mark III	Tested	550D	Tested	D610	Tested	D3200	Tested Ⓝ
5D Mark IV	Tested	600D	Tested	D750	Tested	D3300	Tested Ⓝ
6D	Tested	650D	Tested	D800	Tested	D3400	ⓘ Ⓝ
6D Mark II	ⓘ	700D	Tested	D800E	Tested	D700	Tested Ⓝ
7D	Tested	750D	Tested	D810	Tested	D90	ⓘ Ⓝ
7D Mark II	Tested	760D	Tested	D810A	Tested	D5000	ⓘ Ⓝ
40D	Tested	800D	Tested	D850	Tested	D5100	Tested Ⓝ
50D	Tested	1000D	Tested	D5200	Tested	D7000	Tested Ⓝ
60D	Tested	1100D	Tested	D5300	Tested	D3	Tested Ⓝ
70D	Tested	1200D	Tested	D5500	Tested	D3s	Tested Ⓝ
77D	Tested	1300D	Tested	D5600	Tested	D3x	Tested Ⓝ
80D	Tested	1500D	Tested	Z6	Tested	Z7	Tested
M6 Mark II	Tested	2000D	Tested	Z50	Tested		
R	Tested	4000D	Tested				
Ra	Tested	T7i	Tested				
T7	Tested						

ⓘ Untested

Ⓝ It means you need to use cable shutter release with ASIAIR PRO.

Note:

1. Some DSLR cameras have a 30-second exposure limit, which requires an external shutter release cable to ASIAIR PRO.

2. The items with an exclamation mark in the table above have not been verified by actual tests and will be continuously updated in the future.

Supported ASI cameras

All ASI Mini series cameras(ASI120MM Mini, ASI174MM Mini and ASI290MM Mini)

ASI120MC-S/MM-S, ASI385MC, ASI224MC, ASI178, ASI174, ASI290, ASI462

ASI1600, ASI294, ASI183, ASI071, ASI533, ASI2600, ASI6200, ASI2400

(It does not support ASI120MM/MC camera)

ASIAIR Supported ASI Products

Cameras			ASIAIR	ASIAIR PRO
Available on market	Imaging cameras	ASI6200MC\MM Pro	✗	✓
		ASI2600MC Pro	✓	✓
		ASI533MC Pro	✓	✓
		ASI1600GT\183GT	✓	✓
		ASI183MC Pro\MM Pro	✓	✓
		ASI294MC\MM Pro	✓	✓
		ASI071MC Pro	✓	✓
		ASI1600MM Pro	✓	✓
		ASI2400MC Pro	✓	✓
		ASI294MC	✓	✓
		ASI385MC	✓	✓
		ASI290MC\MM	✓	✓
		ASI1600MM	✓	✓
		ASI178MC\MM	✓	✓
		ASI224MC	✓	✓
		ASI120MC-S\MM-S	✓	✓
		ASI174MM	✓	✓
		ASI462MC	✓	✓
		ASI183MC\MM	✓	✓
	Guide Cameras	ASI120MM Mini	✓	✓
		ASI174MM Mini	✓	✓
		ASI290MM Mini	✓	✓
	Other Devices	ZWO EAF	✓	✓
		ZWO EFW	✓	✓
Discontinued Imaging cameras		ASI385MC-Cool	✓	✓
		ASI128MC Pro	✓	✓
		ASI094MC Pro	✓	✓
		ASI290MM-Cool\MC-Cool	✓	✓
		ASI1600MC Pro\MC	✓	✓
		ASI178MC-Cool\MM-Cool	✓	✓
		ASI174MC-Cool\MM-Cool	✓	✓
		ASI224MC-Cool	✓	✓
		ASI185MC	✓	✓
		ASI174MC	✓	✓
		ASI120MM\MC	✗	✗

Supported Mount

We have also been working closely with major manufacturers to complete bringing in the match of iOptron, Vixen, Rainbow, Avalon, Explore Scientific and other models (including some new models). For now, the ASIAIR PRO is able to support hundreds of equatorial mounts from more than 20 manufacturers worldwide. For details, please refer to the "ASIAIR PRO User Manual".

All mounts and cameras supported with the previous version （ASIAIR）can also work with ASIAIR PRO

note：
1. If your new Sky-Watcher EQ6-R Pro has the connection issue with ASIAIR or ASIAIR PRO, Please follow this guidance to fix it.
https://gist.github.com/timucingelici/217ac492bc2b127c6645ce033463d265

2 iOptron new batch of G series mount，such as CEM40G/GEM45G/CEM70G etc. Having connection issue with ASIAIR or ASIAIR PRO, please connect the mount to the cooled camera USB hub then to the ASIAIR or ASIAIR PRO.

Attached Method

Please note, the dovetail is attached to the ASIAIR PRO body when you receive it ;)

ASIAIR vs ASIAIR PRO

	ASIAIR	**ASIAIR PRO**

OLD(1st gen) NEW (2nd gen)

Plastic case
1.4Ghz CPU
1GB DDR2 memory
Only 32GB storage

Metal case ZWO RED
1.5Ghz CPU
4GB DDR4 memory
32GB storage
(Support external storage)

	ASIAIR	ASIAIR PRO
Processor	1.4Ghz Quad Core Broadcom BCM2837B0 (Cortex A-53)	1.5Ghz Quad Core Broadcom BCM2711B0 (Cortex A-72)
Memory	1GB DDR2	4GB DDR4
Storage	32GB microSD card	32GB microSD card External storage one 64GB SanDisk USB memory stick as gift
Size	Height 9.40 cm (3.7 inch) Width 6.86 cm (2.7 inches) Depth 2.54 cm (1 inch)	Height 9.2 cm (3.6 inches) Width 6.7 cm (2.64 inches) Depth 3.5 cm (1.38 inches)
Weight	180 g (0.24 pounds)	243 g (0.54 pounds)
Audio	None	Important operation alarm
Network	**Wired Networking** 330Mbps Ethernet **Wireless** 802.11ac (2.4 / 5Ghz)	**Wired Networking** Gigabit Ethernet **Wireless** 802.11ac (2.4 / 5Ghz)
USB Ports	4 * USB 2.0	2 * USB 3.0 , 2 * USB 2.0
Power input	5V@3A input	1 * 12V@2A-6A input
Power management	None	4 * 12V@3A Max output
Mountable method	Hook & Loop Tapes * 2	Vixen style Dovetail On Bottom and side
Software features	FoV of Plate Solve 0.4 Degree - 33 Degrees Live Stacking Not supported ASI6200MM/MC Pro Not supported Video mode is Not supported	FoV of Plate Solve 0.2 Degree - 33 Degrees Live Stacking Supported ASI6200MM/MC Pro Supported Video mode

What is in the box?

DC 1m male cable x2   ASIAIR PRO Body   USB memory stick   DC 1.5m male-female extension cable

DC 0.5m male cable x2   Quick Start Guide   USB-RS232 female convert cable   0.75m USB 3.0 Type-B date cable

1. DC male 1m cable x 2
2. ASIAIR PRO body
3. 64GB USB memory stick
4. DC 1.5m male and female cable extension cable
5. DC male 0.5 m cable x2
6. Quick Start Guide
7. USB-RS232 female covert cable
8. USB 3.0 square port 0.75m data cable

Note:

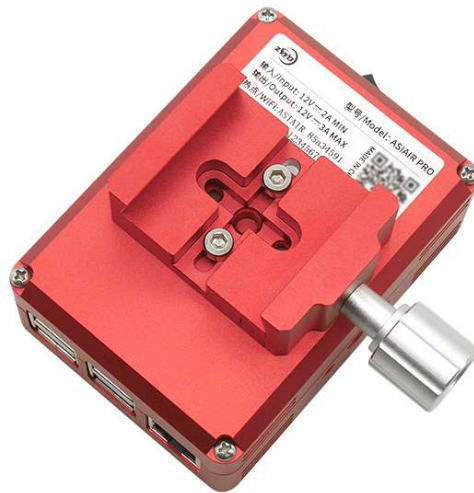Neither USB flash drive nor TF card is covered by Warranty Policy.

Dovetail Groove for ASIAIR PRO

The dovetail groove is designed for ASIAIR PRO to connect Vixen dovetail plate. It can help achieve more convenient and flexible installation methods compared to the original dovetail plate of ASIAIR PRO.
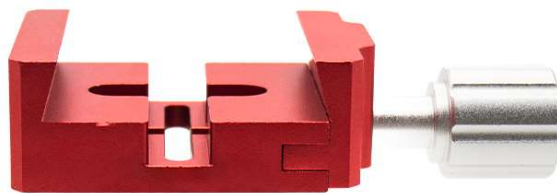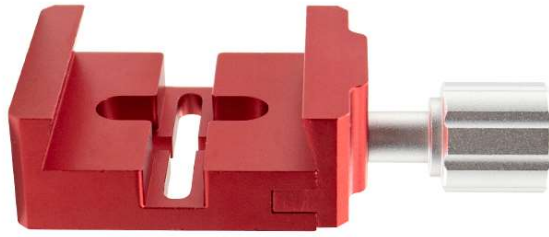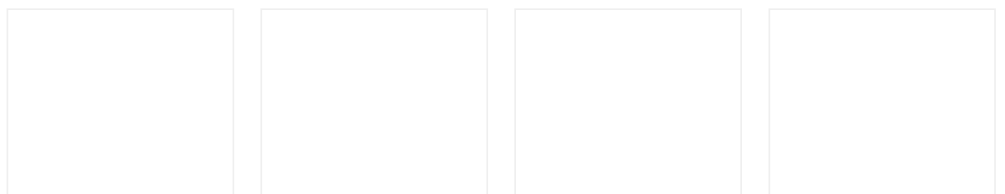
The way how to connect it to your ASIAIR PRO:

Connection tips:

1. Remove the original dovetail plate of ASIAIR PRO.

2. Fix the dovetail groove to ASIAIR PRO with the screws you just take off from the plate.

3. It's recommended to put the bolt towards the box side as shown in the pictures above and not to block the USB ports and status indicators.

🔗 Related Products   ‹ ›

T2-1.25" Filter adapter

$16.00

🛒 Add to cart

ZWO OAG

$128.00–$187.00

👁 Select options

ZWO 1/3" 2.1mm 150 degree lens

$22.00

🛒 Add to cart

New Nikon to T2 Adapter suitable for ASI Cameras

$69.00

🛒 Add to cart

Deep-Sky imaging

Famous low noise cooled ZWO ASI cameras. Color or Mono CMOS sensors to be cooled to 35C to 40C degrees below ambient! more ›

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Our ASI174MM/MC with a resolution 2.3 Mega Pixels is the best solution for serious astronomers who want to capture the Sun or Moon in all its beauty. more ›

Planetary Imaging

Our planetary cameras are among the most used planetary cameras in the world. Ideal for all amateur astrophotographers working in the field. more ›

Atmospheric Dispersion Corrector

ZWO Atmospheric Dispersion Corrector significantly improve the quality of images or you live image in eyepiece. Mandatory for serious planetary observing and imaging. more ›

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We guarantee the highest quality and technical support for all ZWO products. Trusted by astronomers all around the world. more ›