Product Description

ASIAIR

| WiFi 2.4G/5G | Guiding | Imaging | Plate solving | Sequencer | SkySafari bridge |

This is a new milestone in ZWO history, astrophotography has never been easier!

ASIAIR is a smart WiFi device that allows you to control all ASI USB 3.0 cameras, ASI Mini series cameras, and an equatorial mount to do plate solving and imaging with your phone or tablet/iPad when connected to ASIAIR via WiFi.

ASiair

Astrophotography has never been easier

ASI camera on
Portable Telescope Mount

ASI camera on
Computerized **GoTo** Telescope Mount

- ☑ **standalone guider** for DSLR user
- ☑ full **ASI USB3.0 camera control**
- ☑ **lightweight and portable** setup for wide field astrophotography
- ☑ **plate solving** and **Sync** the mount
- ☑ **SkySafari** bridge and full mount control

iOS   **andROID**

Features

 Dual bandwidth WiFi Control 5G & 2.4G supported. you can switch between 5G & 2.4G depends on your environment. 5G is faster for downloading and not so crowded as 2.4G but works best over shorter distances without many obstructions such as walls. **Independent Guiding & Imaging** Standalone guiding & Imaging without the need of PC. Everything is under control with your phone! **Preview and focus in real time**

- Preview: with the help of WiFi network, ASIAIR can preview images in nearly real-time.

- Debayer: debayer works for color cameras.

- Auto white balance: AWB also works for color cameras

- Focus: zoom a small area to provide max brightness curve and HFD curve, help users to get precise focus manually.

- Auto & manually histogram stretching screen stretching is always useful for dark deep sky imaging.

 Plate Solving Offline plate solving can be done in a few seconds.
Choose Object User only needs to open the "Telescope Settings" and click the "Choose Object" button to select the shooting target or make some observing plans.
Dither Improve your images tremendously, increasing the all-important SNR and removing artifacts.
SkySafari Bridge The user can use the Skysafari app to control the mount through ASIAIR, choose the target and go.
Supported cameras ASI USB3.0 camera, ASI cooled camera, ASI mini cameras. (It cannot support ASI120MM/MC camera)

USB2.0 Port
ASIAIR comes with 4 USB2.0 ports, you can connect up to 4 USB devices and don't need USB Hub.
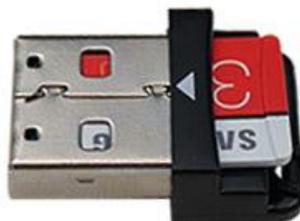
Power Supply
ASIAIR need 5V@2.5A external power supply, it's micro USB port. Normally, ASIAIR consumes only 500ma current. but peak value would be 2.5A, so please use the power cable come with ASIAIR. other cables may be too thin and cannot provide enough power. we also provide one 12V-5V DC Converter, so you can connect ASIAIR to the 12V power supply as most Astro device.

SD Card and Card Reader

There is one 32GB Micro SD card come with ASIAIR. there is OS running on this SD card and 25G space left for the user to store images. The user can use this SD Card Reader to transfer the images to your PC and processing. There is risk the SD card maybe corrupt one day. We highly recommend user back up your SD card first when you get the ASIAIR. Please find more detailed info in ASIAIR Quick Guide.

Supported Mount

ASIAIR control the mount through INDI. iOptron, Sky-Watcher are all tested with ASAIR by us. **INDI Mount support list:** http://indilib.org/devices/telescopes.html

Software

ASIAIR supports both IOS and Android systems.

	OS Version	Phone	Pad
IOS	10.1 and upper	iPhone 5s/ 6series/ 7 series/ 8 series/ X	iPad/iPad mini/ iPad Pro
Andriod	6.0 and upper	All andriod phones	Pad with Andriod OS.

ASIAIR App also speaks with the SkySafari apps(SkySafari \SkySafari Plus \SkySafari Pro). You can now plate solve & sync in the ASIAIR app and read the mount's position in SkySafari!

Interface of App

Setup Area
WiFi, Main camera, Guide camera, Mount, Filter wheel, SD card, More settings

Main Function Switch
Focus, Preview, AutoRun

Operation Area
Capture, Preview, Bin, Exposure, Save

Function Area
Histogram, Guide, Debayer Plate solve, Screen stretch

Mount Controller

Histogram

Information Area
Resolution, Gain, Temperature, Cooler, Status, etc.

Setup Area
WiFi, Main camera, Guide camera, Mount, Filter wheel, SD card, More settings

Home

Function Area
Show/Hidden Guiding Graph

Operation Area
Calibration details, Loop image, Start/Stop Guiding, Exposure

Guiding Graph
Coordinate system, Data clear

Information Area
Resolution, Gain, FPS, Star coordinate, Status, etc.

What's in box

ASIAIR Body

Quick Guide

5V Power Cable

USB-RS232 Cable

SD Card

SD Card Reader

12V-5V DC Converter

Hook & Loop Tapes X 2