

# Askar

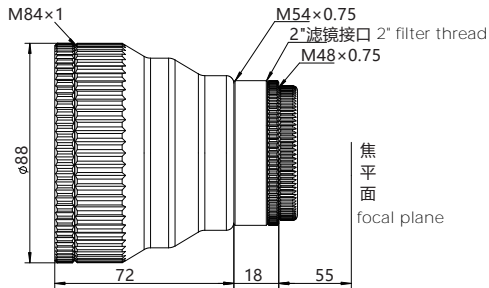
## 103APO 1.0x 全画幅平场镜 103APO 1.0x Full Frame Flattener

- 使用说明书
- User's Manual

请勿通过望远镜直接观察太阳，这样做可能导致瞬间失明，  
请购买专用太阳观测滤镜或滤膜，来获得最安全的观测指导。

**DO NOT LOOK AT SUN THROUGH TELESCOPE.  
IT WILL CAUSE IRREVERSIBLE DAMAGE TO YOUR EYE.**

[www.sharppstar-optics.com](http://www.sharppstar-optics.com)



### 参数

103APO搭配后 焦距: 700mm

103APO搭配后 焦比: f/6.8

物镜类型: 三片式

后截距: 55mm (M48端面算起)

73mm (M54端面算起)

重量: 0.58kg

末端接口: M54×0.75

M54×0.75-M48×0.75 (内置M48×0.75滤镜螺纹)

使用产品前请仔细阅读本使用说明书。

### Instructions for use

1.0x平场镜不会改变望远镜本身的焦比，使用后Askar 103APO还是F6.8焦比，平场镜可以矫正场曲和彗差，使像场边缘更加平坦，周边星点更加圆润。

1.0x平场镜采用三片式设计，支持全画幅。整体重量为0.58kg。后截距从M48螺纹端面算起为标准55mm，前端螺纹接口为M84\*1，末端配有M54\*0.75以及M48\*0.75两种尺寸接口，接驳方便。同时内置M48\*0.75 2英寸滤镜螺纹，可直接安装滤镜使用。

The 1x flattener does not change the telescope's focal ratio itself. After connecting with the Askar 103APO, it still maintains a focal length of F6.8. The flattener corrects field curvature and coma, resulting in flatter field edges and finer star points.

The 1.0x flattener adopts a triplet design and supports a 44mm full-frame image circle. The overall weight is 0.58kg. The back focus from the M48 thread is a standard 55mm. The front thread is M84\*1. At the camera end, it is equipped with two sizes of M54\*0.75 and M48\*0.75 adapters, which are convenient for connection. At the same time, it has a built-in M48\*0.75 2-inch filter thread, which enables the filter be directly installed and used.

### Parameters

(After attaching) 103APO Focal length:700mm

(After attaching) 103APO Focal ratio:f/6.8

Objective lens:Triplet design

Back Focus:55mm(from the base of M48 male thread)

73mm(from the base of M54 male thread)

Weight:0.58kg

Rear-end thread type:M54×0.75

M54×0.75-M48×0.75(M48×0.75 filter thread inside)

### 安装说明 Installation instruction

