

# ADAS Guide to using Eyepieces

Produced by Members of the Society, Nov 2017



# Eyepieces FAQ

- **What is an eyepiece ?**

- An eyepiece is the lens added to the end of a Telescope of any type (Refractor, Reflector or Compound) to magnify the image for visual use.

- **What different types are there ?**

- Most eyepieces are fixed focal length and typically ranging from 4mm up to 50mm
- Some are zoom eyepieces able to change their focal length across a range e.g. 7mm - 21mm

- **Why should I have more than one eyepiece ?**

- To make your telescope have different magnifications

- **Who makes eyepieces ?**

- Bresser Eyepieces
- Orion Eyepieces
- Revelation Eyepieces
- Meade Eyepieces
- Explore Scientific Eyepieces
- Baader Eyepieces
- TeleVue Eyepieces
- Skywatcher Eyepieces
- Vixen Eyepieces

# Eyepieces FAQ

- **How do I calculate my telescope magnification ?**

The magnification of any telescope is the focal length of the main telescope divided by the focal length of the eyepiece.

*e.g.            Telescope 1000mm    Eyepiece 25mm    =    40 x magnification*

*Telescope 500mm    Eyepiece 5mm     =    100 x magnification*

- **Where can I buy eyepieces ?**

[www.telescopehouse.com](http://www.telescopehouse.com)

[www.harrisontelescopes.co.uk](http://www.harrisontelescopes.co.uk)

[www.widescreen-centre.co.uk](http://www.widescreen-centre.co.uk)

[www.rothervalleyoptics.co.uk](http://www.rothervalleyoptics.co.uk)

[www.firstlightoptics.com](http://www.firstlightoptics.com)

[www.f1telescopes.co.uk](http://www.f1telescopes.co.uk)

[www.tringastro.co.uk](http://www.tringastro.co.uk)

Even [www.amazon.co.uk](http://www.amazon.co.uk)