

ideal for binocular use

11/4" barrel with captive groove and filter thread, suitable for all 11/4"

evepiece-filters, as well as for the Baader 11/4" extension tube (#1905130)

Much more than an eyepiece HYPERION 68°

How to use the modular eyepiece system -

illustrated instructions for the whole range of Hyperion® accessories

Case included with purchase of a Hyperion® eyepiece-set Full Set: 7 eyepieces, 5-24mm Beginner Set: 4 eyepieces, 5/10/17/24mm



diameters of 48mm and 45mm

All Hyperion® eyepieces are equipped with two dust caps which protect the eye lens side. This leaves you the choice of storing the eyepiece protected from dust with rubber eye cap folded down (especially for persons who wear glasses) or folded up.

two Photo-threads M43 and SP54

## System-threads M 43 and SP 54

The Hyperion® threads are located beneath the rubber eye cap, or rather beneath the thread-protecting ring (made of high-quality, non-aging silicone rubber). The large number of Baader adapter rings allows use of the Hyperion® eveniece for (almost) every task in astronomical – and nature –photography as a high-quality projection optic or as a

The following pages describe in detail many of the adaptations and variations that are possible with the Hyperion® system.







2" and 11/4"

nosepiece

very little space

## Variable focal lengths with Hyperion® 2" finetuning rings (FTR) 14 and 28 mm

also with 2" Baader eyepiece filters



Available combinations of Hyperion® eyepieces with Finetuning rings or 2" Baader Filter to modify the focal length and the field of view.

Effective Ø Field- focal length stop in mm mm			with 14 mm FTR		with 28 mm FTR		with 14 + 28 mm FTR		with 2" Baader Filter*		without first group of lenses	
Hyperion®:	**24.0	28.0							-			
Hyperion®	21.0	22.5	17.6	19.9	15.5	17.5	14.0	15.8	18.5	20.6	32.2	35.0
Hyperion®	17.0	20.9	13.1	17.1	10.8	14.1	9.2	12.1	14.6	18.7	21.8	30.0
Hyperion®	13.0	17.7	10.8	14.6	9.2	12.5	8.1	11.0	11.7	14.2	22.9	30.0
Hyperion®	10.0	15.0	8.4	11.6	7.1	9.8	6.1	8.7	9.1	12.0	22.4	30.0
Hyperion®	8.0	10.7	6.0	8.6	5.0	7.1	4.3	6.1	6.9	9.3	21.8	30.0
Hyperion®	5.0	6.5	4.0	5.4	3.2	4.5	2.6	3.9	4.3	5.8	22.5	30.0

Hyperion® eyepiece with built-in eyepiece filter (e.g. Infrared-blocking-filter

> variety of additional Hyperion® focal lengths can be obtained at very moderate prices by using our 2" finetuning extension rings 14mm and 28mm, or

even our 2" eyepiece filters. Thus an eyepiece of 5 mm focal length can be converted into one of 2.6 mm focal length – without loss of sharpness - above all, because no additional lenses are introduced into the beam, which is unavoidable when using a Barlow lens.

For marginal cost such experimentation is possible. You will discover how much your telescope can achieve, exceeding the recommended range of magnification without an additional Barlow lens. You will experience surprising results especially with refractors. With real apochromats the usable exit pupil may be considerably smaller than the literature recommends!

Hyperion® eyepiece

2" stop ring

#2958027

Finetuning ring

11/4" Hyperion®

built-in negative

barrel with

lens group

14 mm #2958214

Yellow column of the table: focal length, Light-Grey column: Ø field stop Baader 2" eyepiece filter with a

non variable focal length

height of 6 mm.

Hyperion® eyepiece with 11/4" barrel unscrewed

Finetuning 2" extension ring 28 mm #2958228

Finetuning 2" extension ring 14 mm #2958214

2" stop ring with captive brass locking ring and two locking screws #2958027



Front Hyperion® lens element, built into the 11/4" barrel.

The M48 filter thread is located here To remove the first group of lenses, all Hyperion® eyepieces must only be opened here (exception 24 mm). Disassembling the eyepiece elsewhere will void the warranty!

Combination of the Hyperion® eyepiece and the 14 mm finetuning ring as well as the 2" stop ring

The stop ring prevents the eyepiece barrel from hitting the mirror star diagonal or



Adaptation of Hyperion® eyepieces

## ... you want it simpler ?

Do you want to capture fast but still highquality images directly from your smartphone and share them with friends?

Then the NexYZ 3-Axis Smartphone Adapter #825821 from Celestron is the solution.

- NexYZ fits onto any eyepiece up to Ø 60 m (thus onto all Hyperion® eyepieces) and connects your smartphone to your telescope, spotting scope, binocular or microscope.
  - Works with a wide range of mobile phones.
- Unlike other digiscoping-adapters, NexYZ features a rack-and-pinion-drive at all three directional knobs

(X, Y, and Z axis) · Perfectly aligns your phone's camera with the eveniece in seconds so you are ready to snap the perfect image

Conquest® Gavia spotting scope with the aid of the Zeiss Astro-Adapters (Zeiss-FAN: 4047006834501)

The whole family of Hyperion® 68° evenieces

Hyperion® DT-ring SP 54 / M 37 #2958037

SP 54i / SP 54 a #2958090

Hyperion® eyepiece

eveniece barrel

Hyperion® extension DT-ring 11 mm

Zeiss Astro Adapter for Conquest®

Gavia Spotting Scopes (Zeiss-EAN:

4047006834501). Slipped over

and fastened onto the 11/4"

Carl Zeiss Conquest® Gavia





Authorized Hyperion® Dealer

We reserve the right for errors and technical changes • Illustrations may differ slightly from the original • Copyright by Baader Planetarium GmbH • Layout by MB-GRAFIK-DESIGN. The terms Astro T-2 System® and Hyperion® are copyrighted. Any Use of our brand-names, copying or commercially using our sales-material without our expressive authorisation will be prosecuted

