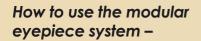


Much more than an eyepiece

## HYPERION 68°



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



Scope of supply for each Hyperion® 68° eyepiece:

123456

Winged Rubber Eyeshield
– ideal for binocular use

1¼" (31,7mm Ø) Dust Cap Two end dust caps with inner diameters of 48mm and 45mm

68° Hyperion® eyepiece with Phantom-Group® Coating and two Photo-threads M43 and SP54 Soft-leather bag: provides perfect protection – takes very little space

dual 2" and 1<sup>1</sup>/<sub>4</sub>" nosepiece

# Cap 45mm Cap 45mm PERION 17mm Moduly

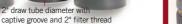
#### End dust caps

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.

#### 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® eyepiece for (almost) every task in astronomical — and nature —photography as a high-quality projection optic or as a tele-extender.

The following pages describe in detail many of the adaptations and variations that are possible with the  ${\rm Hyperion}^{\odot}$  system.



 $11\!\!/\!4"$  barrel with captive groove and filter thread, suitable for all  $11\!\!/\!4"$  eyepiece-filters, as well as for the Baader  $11\!\!/\!4"$  extension tube (#1905130)





System thread M43

2 System thread SP54



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

also with 2" Baader eyepiece filters



Hyperion® eyepiece with FTR 14mm (this combination is also portrayed in the picture below which features the 2" mirror star diagonal)

### 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	20.3	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 2" eyepiece filter (e.g. Infrared-blocking-filter #2459210A)

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

> > Baader ClickLock®,

Maxbright Star Diagonal

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 height of 6 mm.

\* non variable focal length

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



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 prism.

Adaptation of Hyperion® eyepieces onto Zeiss spotting scopes

Zeiss Diascope spotting scopes:

The Hyperion 21-/17-13-/8 mm eyepieces may be adapted to the Zeiss Diascope spotting scopes with the aid of the Baader Diascope bayonet-adapter #2454500

Visual Observation:

All Hyperion®-eyepieces may be adapted to the Zeiss Conquest® Gavia spotting scope with the aid of the Zeiss Astro-Adapters (Zeiss-EAN: 4047006834501)

... 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 mm (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 eyepiece in seconds so you are ready to snap the perfect image

The whole family of Hyperion® 68° eyepieces:

eveniece barrel

Video-camera, e.g. Sony HDV

Hyperion® DT-ring SP 54 / M

SP 54i / SP 54 a #2958090

Hyperion® extension DT-ring 11 mm

Zeiss Astro Adapter for Conquest®

4047006834501). Slipped over

and fastened onto the 11/4"

Carl Zeiss Conquest® Gavia

Gavia Spotting Scopes (Zeiss-EAN:

37 #2958037

Hyperion® eyepiece





Authorized Hyperion® Dealer:

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