

Homebrew Eyepiece Projection Adapter:

Enclosed please find some pictures of an adapter for a digital camera. I built this adapter to be able to connect a Casio QV2800 digital camera to a 35mm Eudiascopic eyepiece from Baader-Planetarium and take Astro-pictures by eyepiece-projection. It is a metal tube which slides over the eyepiece and is fixed by 2 thumbscrews.



Fig. 1: Homebrew Adapter with 43mm thread – the eyepiece is fixed by the 2 thumbscrews



Fig. 2: Eyepiece projection adapter for 35mm Eyepiece

The camera is attached by a 43mm thread. During my last trip to the USA I bought a rubber sun shield (I do not know the exact wording) which looks like a dew shield and is screwed on a digital camera to protect it from sunlight coming from the side. I removed the rubber part and thus had a step-up-ring which I attached to a metal tube. Thus I got the proper thread for the camera. Figure 3 shows the adapter attached to the eyepiece). The last picture (figure 4) shows the QV2800 digital camera on the eyepiece-projection-adapter attached to the NexStar5.



Fig. 3: Camera adapter with 35mm Baader-Eudiascopic Eyepiece attached to NexStar N5

Kind regards

Matthias

Email: DD1US@AMSAT.ORG
Homepage: <http://www.dd1us.de>



Fig. 4: Casio QV2800-UX digital camera attached to the N5 with the homebrew eyepiece projection adapter