

Dr. Norbert Reinecke

MEADE 14" & 8"

CELESTRON 11"

CELESTRON NexStar SLT 130 GoTo Newtonian

TMB APO 4"

An almost revolutionary method of astrophotography

You want to take deep sky photos with a highly mobile, 10kg light weight system?

You don't want time-consuming celestial pole search?

You don't want star guiding with a second camera?

You don't want manual star alignment?

You want to find your celestial targets fully automatically even without knowing the stars?

You want to start recording 5 minutes after setting up the tripod?

You don't want the need for dithering the exposures?

You don't want to invest more than approximately 1000€ (without camera)?

If „yes“ to all then buy a lightweight Alt/AZ go-to Celestron telescope like CELESTRON NexStar SLT 130 GoTo Newtonian (550 Euro) and CELESTRON StarSense (500 Euro) plus any ZWO ASI camera that will do the job in life stacking mode! This automatic life stacking compensates for any shift and/or rotation between individual short exposures. I did all following exposures with ASI 294 MC (900 Euro)

Procedure:

Power „ON“, enter date/time, press start alignment and the scope will scan the sky autonomously. Enter your celestial target, launch camera in life stacking mode with 5 sec single exposure time! Total number should typically be 300 – 1000. Go and have a night meal for 60min, come back and enjoy your 1 hour deep sky photo!



SLT130 + StarSense + ZWO ASI 294MC



IC 434: 258 x 5 sec



M104: 419 x 5 sec



M51: 305 x 10 sec, Image processing: Udo Zlender



M100: 421 x 5 sec



M42: 56 x 5 sec