Configuration 141

TS600ASI2600x0.75CAAN

All measures in [mm]

☑ Active | Identifier: **TS600ASI2600x0.75CAANT202** | Old

Standard TS600 configuration with Riccardi 0.75 Reducer and CAA Rotator - rotating filter

L	Telesope or Camera Lens	TSO APO 90/600				
	599	Focal Length (f-OL)	Type	Telescope	Brand	TS-Optics
	0,75	Optical Factor (Reducer/Barlow)	Type Of Build	APO Triplet Refractor		
	449,3	**Resulting Focal Length [mm]**	Aperture [mm]	90	F-Stop	6,7
O	Other Optical Devices and Special Components	M63 Riccardi 0.75 Reducer	Magnification	0,75		
C	Camera Details	ZWOASI2600	ZWO Optical	ZWOASI2600		

T — Configuration Details (Sequence from telescope to camera sensor)

Pos.#	Telescope Tail Component	Optical Length	Weight [g]	Brand
0	M90 50mm Extension TS600	50,00	100,0	TS Optics
1	TS600/90 Tube w/o focuser	0,00	2.853,0	TS Optics
2	M90 TS600 Rack + Pinion Focuser + EAF	77,25	1.923,0	TS-Optics
3	M63 Riccardi 0.75 Reducer	0,00	500,0	TS-Optics
4	M63m-M48m Adapter	3,00	45,0	TS-Optics
5	M48-M54 Rotator Changer	8,00	52,0	TS-Optics
6	M54 ZWO ASI CAA Rotator	16,50	465,0	ZWO Company
7	M54 Extension 5	5,00	22,0	TS-Optics
8	M54 Filter Slider w. Filter	17,50	107,0	TS-Optics
9	M54 Finetuning Ring 0.5mm	0,50	10,0	TS-Optics
10	M54 Extension 7	7,00	25,0	TS-Optics
11	ASI 2600 MC AIR	17,50	760,0	ZWO Company
Total		**Length in mm** 202,25	6.862,0	**Weight [gr]**

V — Focus Calculation

Telescope Backfocus [L]	**312,20**	Virtual Optical Path [Fol - Fbak]	**286,8**
./. Telescope Tail Length	**202,25**		

Results	No Filter	With Filter
		110,97
		38260
Measured EAF Position [steps]	**0**	
Measured Focuser Pos. [mm]	**0,00**	

E A F	Focuser and EAF Parameter	M90 TS600 Rack + Pinion Focuser			
	Config uses EAF? ☑	EAF max	**28500**	EAF Backslash	**20**
	EAF Stepsize [mm/step] **0,00290**	Max. Travel Distanc	**82,66**	EAF Accuracy	**1**

Rule: add ~ 351 EAF steps for 2" filter

Calucated Optical Parameters

Horizontal FoV [°]	3,00	Pixel Size [µm]	3,76	Dawes Limit	1,7429
Vertical FoV [°]	2,00			OpticalScale [arcs/pixel]	1,7270

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