

Configuration 130

TS600ASI2600CAAx075

All measures in [mm]



Active

Identifier

TS600ASI2600R75T152

Old

Standard TS600 configuration with Riccardi 0.75 Reducer and CAA Rotator

L	Telescope or Camera Lens	TSO APO 90/600		
	<input type="text" value="599"/> Focal Length (f-OL)	Type	<input type="text" value="Telescope"/>	Brand <input type="text" value="TS-Optics"/>
	<input type="text" value="0,75"/> Optical Factor (Reducer/Barlow)	Type Of Build	<input type="text" value="APO Triplet Refractor"/>	
	<input type="text" value="449,3"/> Resulting Focal Length [mm]	Aperture [mm]	<input type="text" value="90"/>	F-Stop <input type="text" value="6,7"/>
O	Other Optical Devices and Special Components	M63 Riccardi 0.75 Reducer	Magnification	<input type="text" value="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
<input type="text" value="0"/>	<input type="text" value="TS600/90 Tube w/o focuser"/>	<input type="text" value="0,0"/>	<input type="text" value="2.853,0"/>	<input type="text" value="TS Optics"/>
<input type="text" value="1"/>	<input type="text" value="M90 TS600 Rack + Pinion Focuser + EAF"/>	<input type="text" value="77,3"/>	<input type="text" value="1.923,0"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="2"/>	<input type="text" value="M63 Riccardi 0.75 Reducer"/>	<input type="text" value="0,0"/>	<input type="text" value="500,0"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="3"/>	<input type="text" value="M63m-M48m Adapter"/>	<input type="text" value="3,0"/>	<input type="text" value="45,0"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="4"/>	<input type="text" value="M48-M54 Rotator Changer"/>	<input type="text" value="8,0"/>	<input type="text" value="52,0"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="5"/>	<input type="text" value="M54 Filter Slider w. Filter"/>	<input type="text" value="17,5"/>	<input type="text" value="107,0"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="6"/>	<input type="text" value="M54 Extension 5"/>	<input type="text" value="5,0"/>	<input type="text" value="22,0"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="7"/>	<input type="text" value="M54 ZWO ASI CAA Rotator"/>	<input type="text" value="16,5"/>	<input type="text" value="465,0"/>	<input type="text" value="ZWO Company"/>
<input type="text" value="8"/>	<input type="text" value="M54 Finetuning Ring 0.5mm"/>	<input type="text" value="0,5"/>	<input type="text" value="10,0"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="9"/>	<input type="text" value="M54 Extension 7"/>	<input type="text" value="7,0"/>	<input type="text" value="25,0"/>	<input type="text" value="TS-Optics"/>
<input type="text" value="10"/>	<input type="text" value="ASI 2600 MC AIR"/>	<input type="text" value="17,5"/>	<input type="text" value="760,0"/>	<input type="text" value="ZWO Company"/>
Total		Length in mm	<input type="text" value="152,3"/>	Weight [gr] <input type="text" value="6.762,0"/>

V Focus Calculation

<input type="text" value="312,2"/>	Telescope Backfocus [L]	Virtual Optical Path [Fol - Fbak]	<input type="text" value="286,8"/>
<input type="text" value="152,3"/>	./.. Telescope Tail Length [T]	EAF Steps	
<input type="text" value="6082,00"/>	Measured Focuser Pos. [mm]	Measured EAF Position	<input type="text" value="20900"/>

E	Focuser and EAF Parameter	M90 TS600 Rack + Pinion Focuser		
A	Config uses EAF? <input checked="" type="checkbox"/>	EAF max	<input type="text" value="28500"/>	EAF Backlash <input type="text" value="20"/>
F	EAF Stepsize [mm/step] <input type="text" value="0,00290"/>	Max. Travel Distanc	<input type="text" value="82,66"/>	EAF Accuracy <input type="text" value="1"/>

EAF initial focus settings: add ~ 95 steps per 1.0mm filter thickness (e.g. OLeN is ~ 2mm thick > add 190 steps)

Calculated Optical Parameters

Horizontal FoV [°]	<input type="text" value="3,00"/>	Pixel Size [µm]	<input type="text" value="3,76"/>	Dawes Limit	<input type="text" value="1,7429"/>
Vertical FoV [°]	<input type="text" value="2,00"/>	OpticalScale [arcs/pixel]	<input type="text" value="1,7270"/>		