COMPARE WITH THE COMPETITION

MANUFACTURER	MODEL	APERTURE (MM)	FOCAL RATIO	FIELD OF VIEW (DEG)	CENTRAL OBSCURATION (AREA)	SPECTRAL BANDPASS (NM)	PRICE ($)	GEO SEARCH SENSITIVITY (VIS MAG)	TYPICAL GEO SEARCH RATE (SQ DEG/HR)	NEO SEARCH SENSITIVITY 100 SEC EXPOSURE
Celestron	**RASA-36 cm**	**355.6**	**2.2**	**4.44**	**25.0%**	**400-900**	**$21,000 AUD**	**15.8**	**2,091**	**20.2**
Celestron	RASA-11	279.4	2.2	4.00	30.0%	400-700	$3,599	15.4	1,694	19.7
APM	W.R. Astrograph	305.0	2.8	6.00	25.0%	400-800	$20,250	15.2	1,805	19.9
APM	W.R. Astrograph	406.0	2.8	4.50	25.0%	400-800	$50,625	15.5	1,022	20.4
ASA	12N - Wynne	300.0	3.6	2.64	16.0%	400-700	$10,500	14.8	741	20.0
ASA	16N - Wynne	400.0	3.6	1.98	10.6%	400-700	$19,345	15.1	417	20.5
Celestron	C-11 HyperStar	279.4	2.0	2.86	12.3%	486-656	$2,794	14.9	869	18.7
Celestron	C-14 HyperStar	355.6	1.9	2.76	12.3%	486-656	$5,598	15.3	809	19.2
Officina Stellare	RiFAst 300	300.0	3.8	3.00	30.3%	410-750	$26,995	14.6	946	19.9
Officina Stellare	RiFAst 400	400.0	3.8	2.96	30.3%	410-750	$26,995	14.8	543	20.4
Officina Stellare	Veloce RH 200AT	200.0	3.0	4.01	30.3%	430-700	$7,795	14.4	1,702	18.9
Officina Stellare	Veloce RH 300	300.0	3.0	3.82	30.3%	430-700	$24,395	14.8	1,544	19.7
Officina Stellare	Veloce RH 350	350.0	2.8	6.13	30.3%	430-700	$40,695	14.3	1,357	19.5
Officina Stellare	RiLA 300 F5	300.0	5.0	4.01	27.0%	410-750	$23,095	14.3	580	20.0
Officina Stellare	RiLA 400 F5	400.0	5.2	2.89	27.0%	410-750	$23,095	14.5	302	20.5
Officina Stellare	Ultra CRC 300	300.0	5.4	2.12	23.0%	410-750	$16,475	14.3	477	20.5
Takahashi	Epsilon 180	180.0	2.8	5.04	19.8%	436-656	$5,400	14.2	2,688	18.9
Takahashi	CCA-250 (0.7x)	250.0	3.6	3.86	25.0%	436-656	$18,189	14.2	1,579	19.5
TEC	TEC 300 ADL	300.0	5.6	1.77	30.3%	400-700	$17,500	14.1	333	20.1

All specifications based on advertised values. Some prices converted from Euros to Dollars at exchange rate on August 28, 2015. Sensitivity calculations assume FLI ML50100 CCD camera, 6 µm pixels, 1x1 pixel binning, 12 electrons read noise, 6:1 signal to noise ratio, observing site near equator, 0.1 km above sea level, 1 arc sec seeing, 7 days to or from full moon. Search rate assumes 4 frames per field at 3 sec per frame (integration + read) followed by a 5 sec move to the next field.

For detailed information please visit
celestron.com/RASA

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INTRODUCING THE
ROWE-ACKERMANN F/2.2 SCHMIDT ASTROGRAPH 36 cm

The ultimate practical instrument for
Sky Surveys, NEO Search, Wide-Field Imaging and Space Situational Awareness

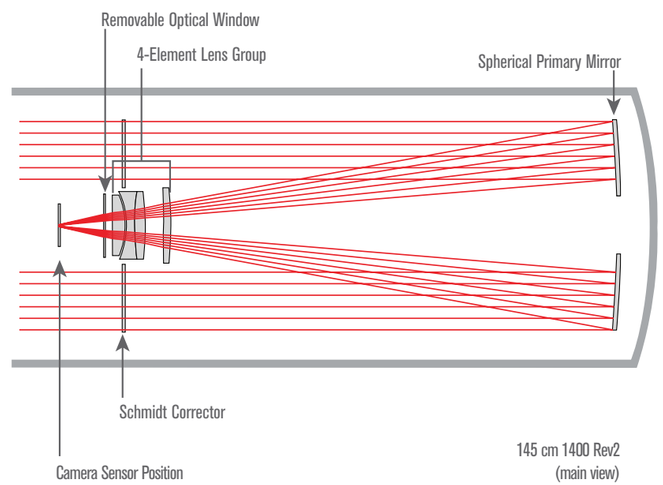
PROFESSIONAL FEATURES:

Aperture	36 cm (355.6 mm)
Focal Ratio	f/2.2
Spectral Bandpass	400 - 900 nm
RMS Spot Diameter	< 6.25 µm broad band everywhere
Field of View	4.4 degrees on 61.3 mm diagonal CCD Usable field extends to 5.1 degrees covering 70 mm CCD
Focuser	ZFS design virtually eliminates focus shift
Total instrument weight	75 lbs

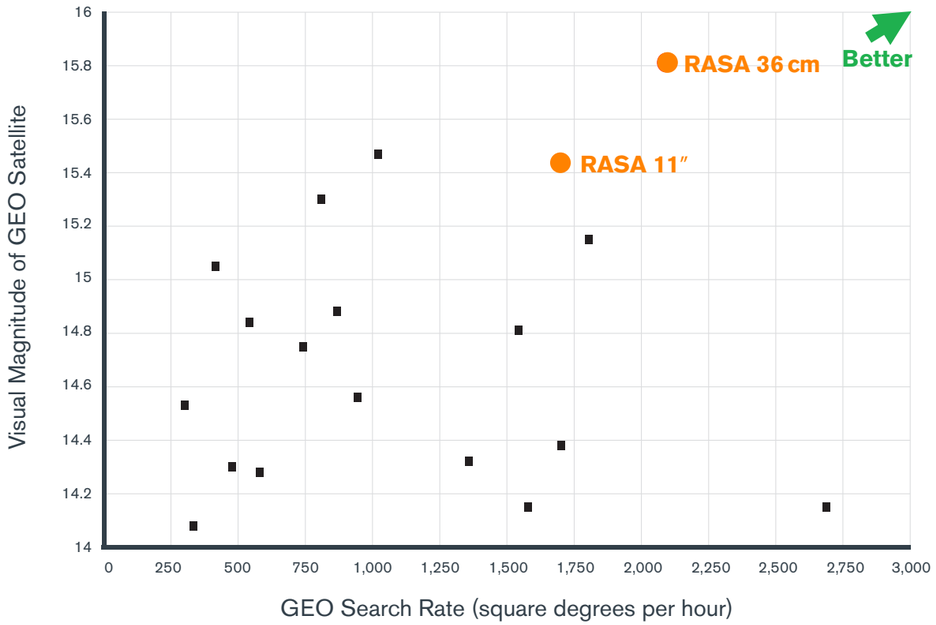
WITHOUT A PROFFESIONAL PRICE

Suggested Retail	$21,000 AUD

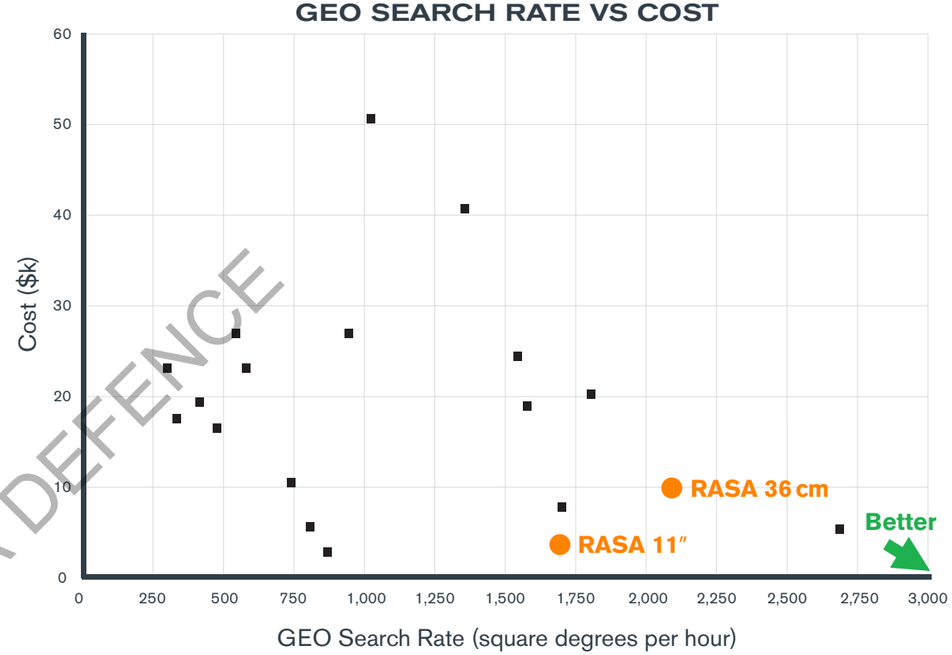
14-inch aperture
f/2.2 focal ratio
4.3° field of view
60.1 mm image circle
< 6.3 µm RMS spot size
across field of view



GEO SEARCH RATE VS SENSITIVITY



GEO SEARCH RATE VS COST



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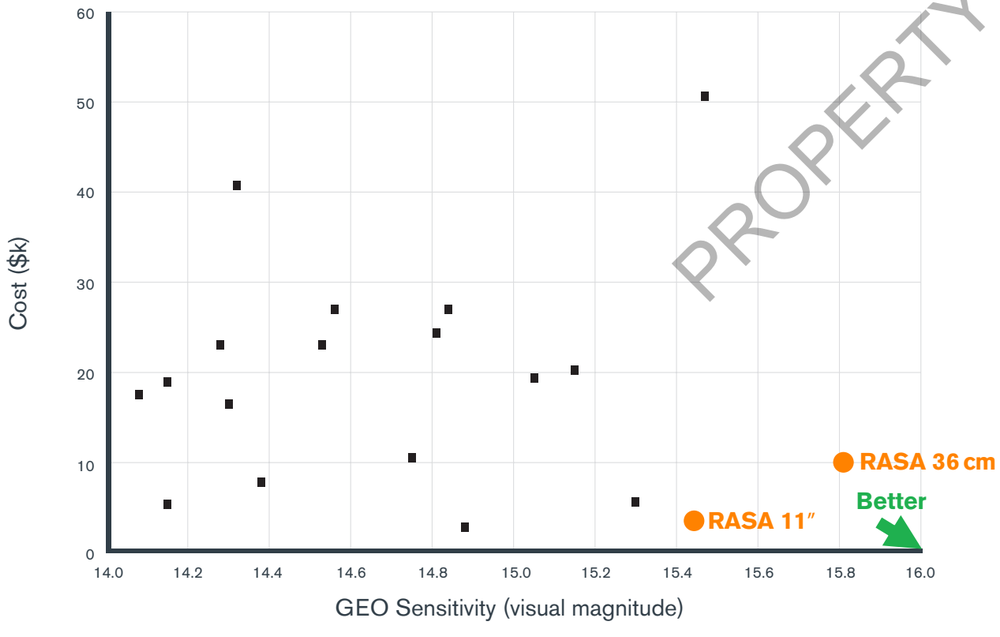
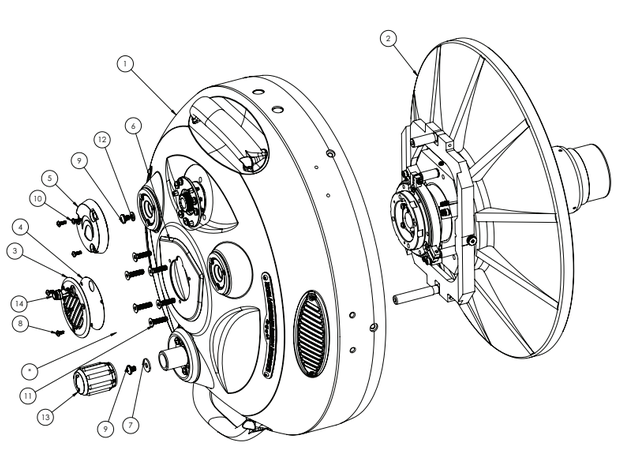
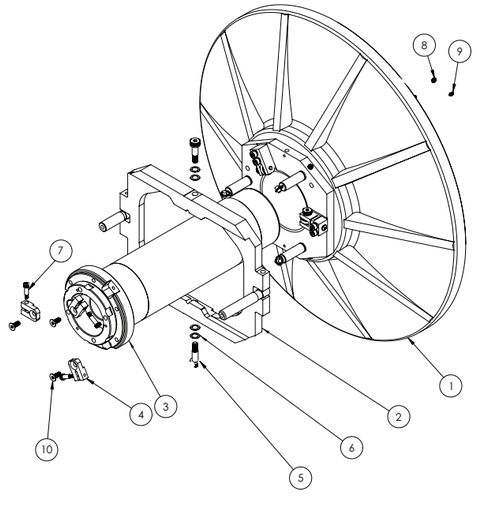
GEO SENSITIVITY VS COST



ZFS FOCUSER DESIGN



Rear Cell w/ Primary Mirror Sub Assy



RASA 36 cm Tilting Decoupler