DAY & NIGHT   MODE   BURST   OFF/ON   OFF	Sub Menu	Item	Options	Setting	Notes
AGC   OFF/12DB/24DB/36DB   See note 1   OFF turns off INTMUL (in-camera stacking)   MANUAL/DC IRIS   MANUAL   MANUAL   MANUAL   MANUAL   RED 62 - 65, BLUE 100 - 105, Adjust R & B, See note 7	AVSYSTEMS	EXPOSURE	NORMAL/BLI/WDR/HLI	NORMAL	
NTG		SENSE UP	OFF/X2 X1024	OFF	
COLOR         WB MODE         ATWI/AWB/MANUAL         MANUAL         RED 62 – 65, BLUE 100 – 105, Adjust R & B. See note 7           DAY & NIGHT         MODE         DAY/NIGHT         DAY         DAY         DAY = colour, NIGHT = mono. See note 6           BURST         OFF/ON         OFF         DAY = colour, NIGHT = mono. See note 6           BURST         OFF/ON         OFF           BURST         OFF/ON         OFF           MIRROR         OFF/ON         OFF           D. ZOOM         OFF/ON         OFF           SHARPNESS         049         25           STABILIZER         OFF/ON         OFF           MOTION         MOTION DET         OFF/ON         OFF           TSTBARS         BAR SELECT         1 8         See note 3         Diagram for test bars           MODE         OFF/ON         OFF         Colour for test bars           T L         50 75         50         Colour for test bars           T L         50 75         50         FO           BOTT         75 216         75         See note 4         Colour for test bars           TOP R         75 216         75         See note 5         Sturns on in-camera stacking, 0 to disable		AGC	OFF/12DB/24DB/36DB	See note 1	OFF turns off INTMUL (in-camera stacking)
COLOR         WB MODE         ATW/AWB/MANUAL         MANUAL         RED 62 – 65, BLUE 100 – 105. Adjust R & B. See note 7           DAY & NIGHT         MODE         DAY/NIGHT         DAY         DAY = colour, NIGHT = mono. See note 6           BURST         OFF/ON         OFF           BURST         OFF/ON         OFF           MIRROR         OFF/HORI/VERT/ROTATE         OFF           D. ZOOM         OFF/ON         OFF           SHARPNESS         049         25           STABILIZER         OFF/ON         OFF           MOTION         MOTION DET         OFF/ON         OFF           TSTBARS         BAR SELECT 18         See note 3         Diagram for test bars           MODE         OFF/ON         OFF         Colour for test bars           T L         5075         50         TOP           BOTL         2950         50         TOP           TOP R         75216         75         TOP           BOTT R         075         75           MOVE         41203         62           PROCAMP         GAMMA         0.3/0.4506/61.0         0.3 or 0.45         See note 5           INTMUL         OFF/AUTO         AUTO <td< td=""><td></td><td>INTG</td><td>MANUAL/DC IRIS</td><td>MANUAL</td><td>X1024 X2/AUTO/(1/50) (1/00000) See note 8</td></td<>		INTG	MANUAL/DC IRIS	MANUAL	X1024 X2/AUTO/(1/50) (1/00000) See note 8
DAY & NIGHT   BURST		BRIGHTNESS	099	See note 2	Start at 99
BURST   OFF/ON   OFF	COLOR	WB MODE	ATW/AWB/MANUAL	MANUAL	RED 62 – 65, BLUE 100 – 105. Adjust R & B. See note 7
EFFECT         FREEZE MIRROR OFF/ON OFF/ON OFF         OFF OPF OPF OPF OPF OPF OPF OPF OPF OPF	DAY & NIGHT	MODE	DAY/NIGHT	DAY	DAY = colour, NIGHT = mono. See note 6
MIRROR   OFF/HORI/VERT/ROTATE   OFF     D. ZOOM   OFF/ON   OFF     SHARPNESS   049   25     STABILIZER   OFF/ON   OFF     MOTION   MOTION DET   OFF/ON   OFF     TSTBARS   BAR SELECT   18   See note 3     MODE   OFF/ON   OFF     COLOR   07   see note 4     T		BURST	OFF/ON	OFF	
D. ZOOM	EFFECT	FREEZE	OFF/ON	OFF	
SHARPNESS   049   25		MIRROR	OFF/HORI/VERT/ROTATE	OFF	
STABILIZER         OFF/ON         OFF           MOTION         MOTION DET         OFF/ON         OFF           TSTBARS         BAR SELECT         18         See note 3         Diagram for test bars           MODE         OFF/ON         OFF           COLOR         075         50           BOTL         2950         50           TOP R         75216         75           BOTT R         5075         75           MOVE         41203         62           PROCAMP         GAMMA         0.3/0.45/0.6/1.0         0.3 or 0.45         See note 5           INTMUL         0/1/2/3/4/5         5         5 turns on in-camera stacking, 0 to disable           MONITOR         CRT/LCD         as appropriate           DPC         OFF/AUTO         AUTO           VIGN. CORR         050         0           SYSTEM         COMM ID         0254         1         **** MUST BE 1           AV SYS         V DSO-1         BAUDRATE         2400/4800/9600/14400/19200/38400         38400         2015 DSO-1, earlier model is 19200           TITLE         OFF/ON         OFF         For adding text		D. ZOOM	OFF/ON	OFF	
MOTION         MOTION DET         OFF/ON         OFF           TSTBARS         BAR SELECT         1 8         See note 3         Diagram for test bars           MODE         OFF/ON         OFF         Colour for test bars           COLOR         0 7         see note 4         Colour for test bars           T L         50 75         50         TOPR         TOPR         75 216         75           BOTL         29 50         75         75         TOPR         75 216         75           BOTT R         50 75         75         TOPR         75 216         75           BOTT R         50 75         75         TOPR         75 216         75           BOTT R         50 75         75         TOPR         75 216         75           MOVE         41 203         62         See note 5         5 turns on in-camera stacking, 0 to disable           INTMUL         0/1/2/3/4/5         5         5 turns on in-camera stacking, 0 to disable           DPC         OFF/AUTO         AUTO           VIGN. CORR         0 50         0           SYSTEM         COMM ID         0 254         1         **** MUST BE 1           AV SYS </td <td></td> <td>SHARPNESS</td> <td>0 49</td> <td>25</td> <td></td>		SHARPNESS	0 49	25	
TSTBARS		STABILIZER	OFF/ON		
MODE	MOTION	MOTION DET	OFF/ON	OFF	
COLOR         0 7         see note 4         Colour for test bars           T L         50 75         50         50           BOTL         29 50         50         75           TOP R         75 216         75         75           BOTT R         50 75         75         MOVE         41 203         62           PROCAMP         GAMMA         0.3/0.45/0.6/1.0         0.3 or 0.45         See note 5         5 turns on in-camera stacking, 0 to disable           MONITOR         CRT/LCD         as appropriate         AUTO         AUTO         VIGN. CORR         0 50         0           SYSTEM         COMM ID         0 254         1         *** MUST BE 1           AV SYS         V DSO-1         V DSO-1         BAUDRATE         2400/4800/9600/14400/19200/38400         38400         2015 DSO-1, earlier model is 19200           TITLE         OFF/ON         OFF         For adding text	TSTBARS	BAR SELECT	18		Diagram for test bars
T L 5075 50 BOTL 2950 50 TOP R 75216 75 BOTT R 5075 75 MOVE 41203 62  PROCAMP GAMMA 0.3/0.45/0.6/1.0 0.3 or 0.45 See note 5 INTMUL 0/1/2/3/4/5 5 5 turns on in-camera stacking, 0 to disable MONITOR CRT/LCD as appropriate DPC OFF/AUTO AUTO VIGN. CORR 050 0  SYSTEM COMM ID 0254 1 *** MUST BE 1 AV SYS V DSO-1 BAUDRATE 2400/4800/9600/14400/19200/38400 38400 2015 DSO-1, earlier model is 19200 TITLE OFF/ON OFF For adding text LANGUAGE ENGLISH/CHINESE		MODE	OFF/ON	OFF	
BOTL   29 50   50   75   TOP R   75 216   75   75   BOTT R   50 75   75   MOVE   41 203   62		COLOR	07	see note 4	Colour for test bars
TOP R 75 216 75 BOTT R 50 75 75 MOVE 41 203 62  PROCAMP GAMMA 0.3/0.45/0.6/1.0 0.3 or 0.45 See note 5 INTMUL 0/1/2/3/4/5 5 turns on in-camera stacking, 0 to disable MONITOR CRT/LCD as appropriate DPC OFF/AUTO AUTO VIGN. CORR 0 50 0  SYSTEM COMM ID 0 254 1 *** MUST BE 1 AV SYS V DSO-1 BAUDRATE 2400/4800/9600/14400/19200/38400 38400 2015 DSO-1, earlier model is 19200 TITLE OFF/ON OFF For adding text LANGUAGE ENGLISH/CHINESE		TL	50 75	50	
BOTT R		BOTL	29 50	50	
MOVE		TOP R	75 216	75	
PROCAMP         GAMMA         0.3/0.45/0.6/1.0         0.3 or 0.45         See note 5           INTMUL         0/1/2/3/4/5         5         5 turns on in-camera stacking, 0 to disable           MONITOR         CRT/LCD         as appropriate           DPC         OFF/AUTO         AUTO           VIGN. CORR         0 50         0           SYSTEM         COMM ID         0 254         1           AV SYS         V DSO-1         V DSO-1           BAUDRATE         2400/4800/9600/14400/19200/38400         38400         2015 DSO-1, earlier model is 19200           TITLE         OFF/ON         OFF         For adding text           LANGUAGE         ENGLISH/CHINESE         For adding text		BOTT R	50 75	75	
INTMUL   0/1/2/3/4/5   5   5   turns on in-camera stacking, 0 to disable   MONITOR   CRT/LCD   as appropriate   DPC   OFF/AUTO   AUTO   VIGN. CORR   0 50   0    SYSTEM   COMM ID   0 254   1   *** MUST BE 1   AV SYS   V DSO-1   V DSO-1   BAUDRATE   2400/4800/9600/14400/19200/38400   38400   2015 DSO-1, earlier model is 19200   TITLE   OFF/ON   OFF   For adding text   LANGUAGE   ENGLISH/CHINESE		MOVE	41 203	62	
MONITOR CRT/LCD as appropriate DPC OFF/AUTO AUTO VIGN. CORR 0 50 0  SYSTEM COMM ID 0 254 1 *** MUST BE 1  AV SYS V DSO-1  BAUDRATE 2400/4800/9600/14400/19200/38400 38400 2015 DSO-1, earlier model is 19200 TITLE OFF/ON OFF For adding text LANGUAGE ENGLISH/CHINESE	PROCAMP		0.3/0.45/0.6/1.0	0.3 or 0.45	See note 5
DPC		INTMUL	0/1/2/3/4/5	5	5 turns on in-camera stacking, 0 to disable
VIGN. CORR         0 50         0           SYSTEM         COMM ID         0 254         1         *** MUST BE 1           AV SYS         V DSO-1         V DSO-1           BAUDRATE         2400/4800/9600/14400/19200/38400         38400         2015 DSO-1, earlier model is 19200           TITLE         OFF/ON         OFF         For adding text           LANGUAGE         ENGLISH/CHINESE			CRT/LCD	as appropriate	
SYSTEM         COMM ID         0 254         1         *** MUST BE 1           AV SYS         V DSO-1         V DSO-1           BAUDRATE         2400/4800/9600/14400/19200/38400         38400         2015 DSO-1, earlier model is 19200           TITLE         OFF/ON         OFF         For adding text           LANGUAGE         ENGLISH/CHINESE         *** MUST BE 1           V DSO-1         For adding text			OFF/AUTO	AUTO	
AV SYS         V DSO-1         V DSO-1           BAUDRATE         2400/4800/9600/14400/19200/38400         38400         2015 DSO-1, earlier model is 19200           TITLE         OFF/ON         OFF         For adding text           LANGUAGE         ENGLISH/CHINESE		VIGN. CORR	0 50	0	
BAUDRATE 2400/4800/9600/14400/19200/38400 38400 2015 DSO-1, earlier model is 19200 TITLE OFF/ON OFF For adding text LANGUAGE ENGLISH/CHINESE	SYSTEM		0 254	1	*** MUST BE 1
TITLE OFF/ON OFF For adding text LANGUAGE ENGLISH/CHINESE					
LANGUAGE ENGLISH/CHINESE					
		TITLE	OFF/ON	OFF	For adding text
SYNC INTER/AUTO INTER					
		SYNC	INTER/AUTO	INTER	

### Note 1 (AGC)

36 for deep sky

OFF for lunar

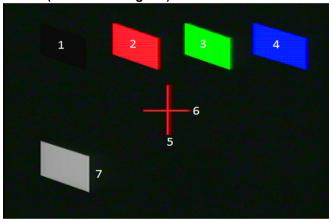
12 .. 36 for planets

OFF turns off in-camera stacking?

### Note 2 (BRIGHTNESS)

Start at 99, lower if over exposed

### Note 3 (TEST BAR diagram)



# Note 4 (TEST BAR colours)

0=black 4=red 1=blue 5=purple 2=green 6=yellow 3=turquoise 7=white

# Note 8 (INTG)

If caught between 2 values (over exposed & under exposed) then use over exposed and compensate by reducing BRIGHTNESS.

### Note 5 (GAMMA)

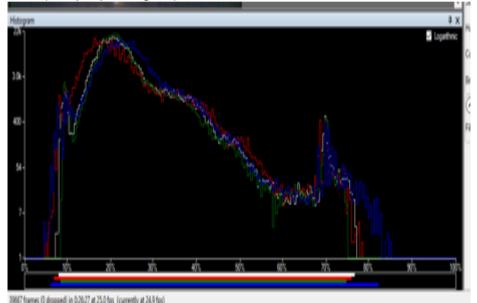
0.3 or 0.45 for deep sky
Set to value for best view for planets
Lower for lunar

NOTES

### Note 6 (DAY & NIGHT)

DAY for deep sky NIGHT (mono) for deep sky faint object DAY for colour NIGHT for lunar maximum resolution

# Note 7 (SharpCap Histogram)



Must not touch left or right to avoid clipping (results in lost detail).

Try for Red and Blue bars level at each end. Use COLOR > WB MODE to adjust. In this graphic, blue needs to be reduced slightly.

If doing Live Stack then compare output with in-camera stacking both OFF and ON.