

DIP SWITCH SETTINGS		MATRIX SWITCHED		COMMENTS	
S1-1	0	IN	A	0	IN
S1-2	0	IN	A	0	IN
S1-3	0	IN	A	0	IN
S1-4	0	IN	A	0	IN
S1-5	0	IN	A	0	IN
S1-6	0	IN	A	0	IN
S1-7	0	IN	A	0	IN
S1-8	0	IN	A	0	IN
S1-9	0	IN	A	0	IN
S1-10	0	IN	A	0	IN
S1-11	0	IN	A	0	IN
S1-12	0	IN	A	0	IN
S1-13	0	IN	A	0	IN
S1-14	0	IN	A	0	IN
S1-15	0	IN	A	0	IN
S1-16	0	IN	A	0	IN
S1-17	0	IN	A	0	IN
S1-18	0	IN	A	0	IN
S1-19	0	IN	A	0	IN
S1-20	0	IN	A	0	IN

VIDEO SWITCH MATRIX		VIDEO OUTPUTS	
STAGE VID IN	1	3a	4
STAGE VID OUT	2	3b	5
STAGE VID IN (H/ROSE)	1	A	B
STAGE VID OUT (H/ROSE)	2	A	B
MONITOR OUT	3	C	D
MONITOR IN	4	C	D
BASE VID OUT (H/ROSE)	5	C	D
BASE VID OUT (H/ROSE)	6	C	D
BASE VID OUT (H/ROSE)	7	C	D
BASE VID OUT (H/ROSE)	8	C	D
BASE VID OUT (H/ROSE)	9	C	D
BASE VID OUT (H/ROSE)	10	C	D

VIDEO SOURCES	
RCA IN (VIA S2)	A
RCA IN (VIA S2)	B
RCA IN (VIA S2)	C
RCA IN (VIA S2)	D
RCA IN (VIA S2)	A
RCA IN (VIA S2)	B
RCA IN (VIA S2)	C
RCA IN (VIA S2)	D
RCA IN (VIA S2)	A
RCA IN (VIA S2)	B
RCA IN (VIA S2)	C
RCA IN (VIA S2)	D

RATE CHOICES	
Setting	+/- Degrees
0 (Default)	5
1	2.5
2	2.5
3	3.5
4	3.5
5	4.5
6	4.5
7	5.5
8	5.5
9	6.5
A (10)	6.5
B (11)	7
C (12)	8
D (13)	9
E (14)	10
F (15)	180

RANGE CHOICES	
Setting	Hz
0 (Default)	5
1	0.75
2	1
3	1
4	2
5	3
6	4
7	5
8	6
9	7
A (10)	10
B (11)	12
C (12)	13
D (13)	16
E (14)	18
F (15)	40

Notes:

- Modes 3a or 3b cannot be active at the same time as modes A, B, C, or D.
- S1-9 = STAGE VID OUT 75ohm termination switch. Default = ON = terminated.
- S1-10 = RCA VID 75ohm termination switch. Default = ON = terminated.
- Factory default switch positions are 0000110011. i.e. Modes 1, 3a, 4, 5 or C (via S2), and 7.

REGIONS

BY	REV.	ZONE	DESCRIPTION	DATE	APPROVED
NW	A		PRODUCTION RELEASE	11/09/04	
NW	B		UPDATE VIDEO MATRIX SWITCH CHART	5/17/07	

U2 SLED CONNECTOR DESCRIPTION

Connector Label	Connector Type	Pin #	Description/Function	Comments
AUX POWER	LEMO ECG.2B.303	1	PWR GND	See Note 4
AUX POWER	LEMO ECG.2B.303	2	+12V BATTERY	See Note 1
AUX POWER	LEMO ECG.2B.303	3	+24V BATTERY	See Note 2
HDSOI	BNC MALE	N/A	HDSOI VIDEO	Direct coax connection to HDSOI BNC on stage rear. Isolated Video grd.
PWR/VID	HIROSE HR10-7R-4S	1	PWR GND	See Note 4
PWR/VID	HIROSE HR10-7R-4S	2	VIDEO GND	See Note 4
PWR/VID	HIROSE HR10-7R-4S	3	VIDEO	See Note 3
PWR/VID	HIROSE HR10-7R-4S	4	+12V BATTERY	See Note 1
VID IN/OUT	RCA	N/A	VIDEO IN or OUT	Video Input or Output function selected by IN/OUT selector switch. See Note 3,5.
MON	LEMO EYG.TB.308	1	PWR GND	See Note 4
MON	LEMO EYG.TB.308	2	+12V BATTERY	See Note 1
MON	LEMO EYG.TB.308	3	VIDEO	See Note 3
MON	LEMO EYG.TB.308	4	VIDEO GND	See Note 4
MON	LEMO EYG.TB.308	5	RX-data	See Note 4
MON	LEMO EYG.TB.308	6	TALLY	See Note 4
MON	LEMO EYG.TB.308	7	+24V BATTERY	See Note 2
MON	LEMO EYG.TB.308	8	TX-data	See Note 4
RGB	LEMO EYG.TB.306	1	COMP/GRN	Direct coax connection to RGB pin-1, VID IN BNC, and VID IN/12V pin-3 on stage. See Note 6.
RGB	LEMO EYG.TB.306	2	VIDEO GND	See Note 4
RGB	LEMO EYG.TB.306	3	RED VIDEO	Direct coax connection to RGB connector on stage rear.
RGB	LEMO EYG.TB.306	4	VIDEO GND	See Note 4
RGB	LEMO EYG.TB.306	5	BLUE VIDEO	Direct coax connection to RGB connector on stage rear.
RGB	LEMO EYG.TB.306	6	VIDEO GND	See Note 4
DC PWR	2.5mm DC POWER JACK	PIN	+4.5 TO +9.5VDC	Voltage output adjusted by ADJ pot on front connector panel.
DC PWR	2.5mm DC POWER JACK	BARREL	PWR GND	See Note 4

UNLESS OTHERWISE SPECIFIED:

- 12V BATTERY VOLTAGE is sourced directly from battery voltage in 12V mode.
- 12V BATTERY VOLTAGE is sourced directly from DC-DC converter in 24V mode. [14.4 to 14.8Vdc @ 100W max.]
- 24V BATTERY VOLTAGE is sourced directly from two sled batteries connected in series.
- Video source is determined by VDA DIP switches #1-8.
- POWER GND and VIDEO GND can be connected by internally jumpering JP2-1 to JP2-2 on 800-0005 board.
- 75 ohm termination switched via VDA DIP switch #10 when IN/OUT switch is set to IN.
- 75 ohm termination switched via VDA DIP switch #9.

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TIPPEN

CONN, PIN-OUT DIAGRAM
SLED BASE, ULTRA2

SEE DWG. NO. DOC-800000
SCALE: 1:4 WT: 800-0000
SHEET 1 OF 1

