

Connectors, Pin-outs and Jumpers

The following table is a listing of all back panel connectors associated with the UltraBrite2™.

<u>Connector Type</u>	<u>Connector Label</u>	<u>Pin #</u>	<u>Symbo</u> <u>l</u>	<u>Description/Function</u>	<u>Comments</u>
BNC	G/Y			HD COMPONENT INPUT, GREEN ANALOG	
BNC	B/Pb			HD COMPONENT INPUT, BLUE ANALOG	
BNC	R/Pr			HD COMPONENT INPUT, RED ANALOG	
HIROSE HR10-7R-4S	VID/PWR	1		PWR GND	
HIROSE HR10-7R-4S	VID/PWR	2		VIDEO GND	
HIROSE HR10-7R-4S	VID/PWR	3		COMPOSITE IN	See Note 2
HIROSE HR10-7R-4S	VID/PWR	4		11-36Vdc	See Note 1
LEMO EGG.1B.308.CLL	VID/PWR	1		PWR GND	
LEMO EGG.1B.308.CLL	VID/PWR	2		11-36Vdc	See Note 1
LEMO EGG.1B.308.CLL	VID/PWR	3		COMPOSITE IN	See Note 2
LEMO EGG.1B.308.CLL	VID/PWR	4		VIDEO GND	
LEMO EGG.1B.308.CLL	VID/PWR	5		RX-data	
LEMO EGG.1B.308.CLL	VID/PWR	6		TALLY	
LEMO EGG.1B.308.CLL	VID/PWR	7		11-36Vdc	See Note 1
LEMO EGG.1B.308.CLL	VID/PWR	8		TX-data	
BNC	HD/SDI 1			HDSDI/SDI VIDEO INPUT #1	
BNC	HD/SDI 1 LOOP			HDSDI/SDI VIDEO LOOP THRU #1	
BNC	HD/SDI 2			HDSDI/SDI VIDEO INPUT #2	
BNC	HD/SDI 2 LOOP			HDSDI/SDI VIDEO LOOP THRU #2	
DVI-I	DVI-I/RGB/YPbPr	1	/RX2	TMDS Data 2-	
DVI-I	DVI-I/RGB/YPbPr	2	RX2	TMDS Data 2+	
DVI-I	DVI-I/RGB/YPbPr	3	GND	Digital Ground	
DVI-I	DVI-I/RGB/YPbPr	4	NC	No connection	
DVI-I	DVI-I/RGB/YPbPr	5	NC	No connection	
DVI-I	DVI-I/RGB/YPbPr	6	DCC_CLK	DDC Clock	
DVI-I	DVI-I/RGB/YPbPr	7	DDC_DAT	DDC Data	
DVI-I	DVI-I/RGB/YPbPr	8	VS_IN	Analog vertical Sync	
DVI-I	DVI-I/RGB/YPbPr	9	/RX1	TMDS Data 1-	
DVI-I	DVI-I/RGB/YPbPr	10	RX1	TMDS Data 1+	
DVI-I	DVI-I/RGB/YPbPr	11	GND	Digital Ground	
DVI-I	DVI-I/RGB/YPbPr	12	NC	No connection	
DVI-I	DVI-I/RGB/YPbPr	13	NC	No connection	
DVI-I	DVI-I/RGB/YPbPr	14	DDC_5V	+5V power supply for DDC (optional)	
DVI-I	DVI-I/RGB/YPbPr	15	GND	Ground (+5, Analog H/V Sync)	
DVI-I	DVI-I/RGB/YPbPr	16	NC	No connection	
DVI-I	DVI-I/RGB/YPbPr	17	/RX0	TMDS Data 0-	
DVI-I	DVI-I/RGB/YPbPr	18	RX0	TMDS Data 0+	
DVI-I	DVI-I/RGB/YPbPr	19	GND	Digital Ground	
DVI-I	DVI-I/RGB/YPbPr	20	NC	No connection	
DVI-I	DVI-I/RGB/YPbPr	21	NC	No connection	
DVI-I	DVI-I/RGB/YPbPr	22	GND	Digital Ground	
DVI-I	DVI-I/RGB/YPbPr	23	RXC	TMDS Clock+	
DVI-I	DVI-I/RGB/YPbPr	24	/RXC	TMDS Clock-	
DVI-I	DVI-I/RGB/YPbPr	C1	R	Red or Pr	
DVI-I	DVI-I/RGB/YPbPr	C2	G	Green or Y	
DVI-I	DVI-I/RGB/YPbPr	C3	B	Blue or Pb	
DVI-I	DVI-I/RGB/YPbPr	C4	HS_IN	Analog horizontal sync	
DVI-I	DVI-I/RGB/YPbPr	C5	GND	Ground	
DVI-I	DVI-I/RGB/YPbPr	C6	NC	No connection	

<u>Connector Type</u>	<u>Connector Label</u>	<u>Pin #</u>	<u>Symbol</u>	<u>Description/Function</u>	<u>Comments</u>
HDB-15	VGA/RGB	1	PCR	Red, analog	
HDB-15	VGA/RGB	2	PCG	Green, analog	
HDB-15	VGA/RGB	3	PCB	Blue analog	
HDB-15	VGA/RGB	4	ID2	Reserved for monitor ID bit 2 (grounded)	
HDB-15	VGA/RGB	5	DGND	Digital ground	
HDB-15	VGA/RGB	6	AGND	Analog ground red	
HDB-15	VGA/RGB	7	AGND	Analog ground green	
HDB-15	VGA/RGB	8	AGND	Analog ground blue	
HDB-15	VGA/RGB	9	DDC_5V	+5V power supply for DDC (optional)	
HDB-15	VGA/RGB	10	DGND	Digital ground	
HDB-15	VGA/RGB	11	ID0	Reserved for monitor ID bit 0 (grounded)	
HDB-15	VGA/RGB	12	DDC_SDA	DDC serial data	
HDB-15	VGA/RGB	13	HS_IN	Horizontal sync or composite sync, input	
HDB-15	VGA/RGB	14	VS_IN	Vertical sync, input	
HDB-15	VGA/RGB	15	DDC_SCL	DDC serial clock	
4-PIN Mini DIN	SVHS	1	GND	Ground (Y) Luminance	
4-PIN Mini DIN	SVHS	2	GND	Ground (C) Chrominance	
4-PIN Mini DIN	SVHS	3	Y	Intensity (Luminance)	
4-PIN Mini DIN	SVHS	4	C	Colour (Chrominance)	
BNC	VIDEO			COMPOSITE IN	See Note 3
HR212-10R-8SD(73)	TALLY	1		PWR GND	
HR212-10R-8SD(73)	TALLY	2		REGULATED +12V	
HR212-10R-8SD(73)	TALLY	3		N/C	
HR212-10R-8SD(73)	TALLY	4		TALLY 1 IN	APPLY 12V FOR OPERATION
HR212-10R-8SD(73)	TALLY	5		N/C	
HR212-10R-8SD(73)	TALLY	6		TALLY 2 IN	APPLY 12V FOR OPERATION
HR212-10R-8SD(73)	TALLY	7		TALLY 1 SENSOR IN	
HR212-10R-8SD(73)	TALLY	8		N/C	
4-PIN XLR	11-36Vdc	1		PWR GND	
4-PIN XLR	11-36Vdc	2		N/C	
4-PIN XLR	11-36Vdc	3		11-36Vdc	See Note 1
4-PIN XLR	11-36Vdc	4		11-36Vdc	See Note 1

****CAUTION****, all power sources are tied together. Apply only one power source at a time!

i.e. a 12V input on one connector will result in a 12V output on all other connectors; a 24V input on one connector will result in a 24V output on all connectors.

Note 1:

Note 2: - Composite video lines from both Hirose and LEMO connectors are connected together.

- Video input into these connectors will pass through the built-in frame line generator if present.

Note 3:

- Composite video input into this connector will not pass through built-in frame line generators if present.

