



	DE-15 PINOUT	NOTE	COLOR	RAW CABLING SPECS
F I/O Cable Shielded 6-Wire	PIN#	FUNCTION		
	1	REC LED+ Output	+5V @ 1kOhm, Internally Limited	6-Wire: 26AWG Shielded Stranded, Tefzel Jacket: M25700 26TG6T14
	2	GND for I/O	GROUND	2-Wire: 22AWG Shielded Twisted Pair, Tefzel Jacket, M27500-22TG2T14
	3	REC Trig In	+3.3V Current Limited - Switch to Ground Only	Coax: M17/94-RG179 75 Ω
	4	SNAP/WAYPOINT Trig In	+3.3V Current Limited - Switch to Ground Only	
	5	Oil Press In	(Pulled to Aircraft Power) - Switched to Ground = Fault	
G Video Out Coax	6	FAULT LED+ Output	+5V @ 1kOhm Internally Limited	
	7	CVBS Out (NTSC)	Composite Video Out (NTSC)	MATING CONNECTORS
H Audio Cable Shielded 6-Wire	8	CVBS GND	Composite Video Ground	FLYING LEADS (Standard)
	9	Spare I/O GND	Extra GROUND for status/trig I/O connections	- 2" cable jacket strip length from factory
	10	MUTE Trig In	+3.3V Current Limited - Switch to Ground Only	HIROSE 6-PIN STYLE (OPTIONAL)(WHEN USED FOR I/O OR AUDIO):
	11	AUD Right In	External Audio Ch1 / Right Input (0-8V Audio Panel Level)	- EAGLEi 4k side: Female LF07WBP-6S(31)
	12	AUD Left In	External Audio Ch2 / Left Input (0-8V Audio Panel Level)	- System side: Male LF07WBJ-6P
	13	AUD GND	Intercom Audio Ground Only - Not for I/O or Power	DEUTSCH D369 STYLE (OPTIONAL)(WHEN USED FOR I/O OR AUDIO):
H Power Cable Twisted Pair	14	POWER GROUND	Power Ground	- EAGLEi 4k side:
	15	10-32VDC POWER IN	Aircraft Power, 10-32VDC, 7W Connect Aircraft Power to 2A or 5A non-critical breaker	- System side: Male D369-P66-NP0; PINS: M39029/58-360
				ANALOG COMPOSITE VIDEO OUT - 75 Ω BNC male connector & cable (Amphenol 112133 recommended for RG-179 coax)

APPROVALS:	DATE:	RV-10164H EAGLEi 4K Main Harness	RUGGED VIDEO
Drawn:	22Sept2020		
Approved: -	-	File:	REV: E Size: Letter