

# Camera cabeling

## LEMO 3B 16 Pin feed trough

Luftseite FGG.3B 16 polig Stifte ; Durchführung SGJ.3B ; Innenseite FGJ.3B.316 Buchsen

Start ist jeweils am Kringel

PIN	Farbe Luftseite	Farbe Innenseite		
1	Ws	Ws		
2	Braun	Braun		
3	Ws	Ws		
4	Grün	Grün		
5	Ws	Ws		
6	Orange	Orange		
7	WS	WS		
8	Braun	Braun		

## Trigger Cable

CCD / CMOS Kameras

For triggering we use as general interface an Burndy/ Souriau 19pole connector (male on Camera end). The center pin is reserved for shielding.  
Remark for Burndy the conuting does not include I; O; Q!

Burndy Pin# ! Count without "i" and "O /Q"	Used as: ( A-M based on AVT Manta usage )	AVT Manta Pin# / Color valid for original Cable!	Basler Aviator Pin# / Color HR10A- 10P-12S	Basler self build based on some cat5 for DLS Lab	IDS µEye Pin# / Color	AVT Mako HIROSE HR25- 7TP-8S		Remarks
A	External GND (for RS232 external Power)	1 / Blue	--	--	--	8 / Orange dot Red		
B	External Power +8 .. +30V	2 / Red	--	--	--	7 / Orange dot Black 12V... 24V+-10%		
C	Video Iris	3 / Pink	--	--	--	--		
D	Camera In 1 low=0-1V; high 3- 24V	4 / Grey minimum 6µs pulse; 4mA used	3 / Blue	green	2 / White ;; Trigger Input+	4 / Grey dot Black		Try to use TTL Levels
E	Reserved	5 / Yellow	--	--	--	--		
F	Camera Out 1 Open Emitter I <sub>max</sub> 20mA	6 / Green	6 / Black	white-orange	1 / Green Flash Out -	1 / Yellow dot Red		Try to use TTL Levels
G	Camera In GND	7 / Brown	5 / Gray I/O GND	white-green	7 / Brown Trigger Input -	5 / Pink dot Black		
H	RxD	8 / White	--	--	--	--		
J	TxD	9 / Black	--	--	--	--		
K	Camera Out - Power Common VCC for Outputs max 30V DC	10 / Orange	10 / Pink I/O VCC	orange	6 / Yellow Flash Out + ; max 30V 150mA	6 / Pink dot Red		

L	Camera In 2 low=0-1V; high 3-24V	11 / White-Black	4 / Red	brown	--	--	Try to use TTL Levels
M	Camera Out 2 Open Emitter I <sub>max</sub> 20mA	12 / White- Brown	--	--		2 / Yellow dot Black	Try to use TTL Levels
N	Camera Out 3	--				3 / Grey dot Red Camera Out 3	Try to use TTL Levels
P						--	
R							
S							
T							
U							
V	Shield	# / Shield		# / Shield	# / Shield	# / Shield	

[Basler\\_Aviator\\_Camera\\_Link\\_Users\\_Manual\\_AW00083008000\\_.pdf](#)

[Basler\\_Cable\\_Specs\\_DG00107902000\\_Specs\\_2000022907\\_2000022909\\_2000030532.pdf](#)

[Manta\\_TechMan\\_V7.1.0.pdf](#)

[AVT\\_IOcable\\_Acc\\_Cable\\_DataSheet\\_K7600xxx\\_V4.1.1\\_en.pdf](#)

[USB uEye SE Pin-Belegung I\\_O-Anschluss.pdf](#)

[IDS\\_Cable\\_Desc\\_AD.0040.2.10100.00.pdf](#)