

**Connection between the COOL-1300 Camera and  
pcIMAGE-SDIG (Matrix-Vision) with temperature control**

COOL-1300/45°	COOL-1300/45°		SDIG	SDIG	
Pin	Function	Twisted pair	Pin	Function	Color
1	PCLK	1	29	PCLK IN	
2	LEN	2	26	LEN IN	
3	FEN	3	25	FEN IN	
4	D0 (LSB)	4	14	MSB-11	
5	D1	5	13	MSB-10	
6	D2	6	11	MSB-9	
7	D3	7	10	MSB-8	
8	D4	8	9	MSB-7	
9	D5	9	8	MSB-6	
10	D6	10	7	MSB-5	
11	D7	11	6	MSB-4	
12	D8	12	5	MSB-3	
13	D9	13	4	MSB-2	
14	D10	14	3	MSB-1	
15	D11 (MSB)	15	2	MSB	
16	GND		1	GND	
control input 17	TREX (trigger input; activ low)	16	64	Exposure	
control input 18	SV2 (amplification * 2; activ low)		33	DigIO6	
control input 19	BIN (binning mode; activ low)		67	DigIO7	
20	PCLK	1	63	PCLK IN	
21	LEN	2	60	LEN IN	
22	FEN	3	59	FEN IN	
23	D0	4	48	MSB-11	
24	D1	5	47	MSB-10	
25	D2	6	45	MSB-9	
26	D3	7	44	MSB-8	
27	D4	8	43	MSB-7	
28	D5	9	42	MSB-6	
29	D6	10	41	MSB-5	
30	D7	11	40	MSB-4	
31	D8	12	39	MSB-3	
32	D9	13	38	MSB-2	
33	D10	14	37	MSB-1	
34	D11	15	36	MSB	
35	GND		35	GND	
control input 36	TREX (trigger input)	16	30	Exposure	
control output 37	LED <250K		17	DigIO0	