

Connection between CCD-1300 Camera and ITI PcDig

CCD-1300	CCD-1300	PcDig	PcDig
Pin	Funktion	Pin	Funktion
1	PCLK	39	MClk +
2	LEN	33	LEN_In +
3	FEN	35	FEN_In +
4	D0 (LSB)	1	DATA_In 0+
5	D1	3	DATA_In 1+
6	D2	5	DATA_In 2+
7	D3	7	DATA_In 3+
8	D4	9	DATA_In 4+
9	D5	11	DATA_In 5+
10	D6	13	DATA_In 6+
11	D7	15	DATA_In 7+
12	D8	17	DATA_In 8+
13	D9	19	DATA_In 9+
14	D10	21	DATA_In 10+
15	D11 (MSB)	23	DATA_In 11+
16	GND	37	Gnd
control input 17	$\overline{\text{TREX}}$ (trigger input; activ low)	96	Exp_Out 0-
control input 18	$\overline{\text{SV2}}$ (gain * 2; activ low)	91	Cam_Cntrl 1+
control input 19	$\overline{\text{BIN}}$ (binning mode; activ low)	99	Cam_Cntrl 3+
20	$\overline{\text{PCLK}}$	40	MClk -
21	$\overline{\text{LEN}}$	34	LEN_In -
22	$\overline{\text{FEN}}$	36	FEN_In -
23	$\overline{\text{D0}}$	2	DATA_In 0-
24	$\overline{\text{D1}}$	4	DATA_In 1-
25	$\overline{\text{D2}}$	6	DATA_In 2-
26	$\overline{\text{D3}}$	8	DATA_In 3-
27	$\overline{\text{D4}}$	10	DATA_In 4-
28	$\overline{\text{D5}}$	12	DATA_In 5-
29	$\overline{\text{D6}}$	14	DATA_In 6-
30	$\overline{\text{D7}}$	16	DATA_In 7-
31	$\overline{\text{D8}}$	18	DATA_In 8-
32	$\overline{\text{D9}}$	20	DATA_In 9-
33	$\overline{\text{D10}}$	22	DATA_In 10-
34	$\overline{\text{D11}}$	24	DATA_In 11-
35	GND	38	Gnd
control input 36	TREX (trigger input)	95	Exp_Out 0+
control input 37	Mode high \Rightarrow Continuous low \Rightarrow Image on Demand	93	Cam_Cntrl 2+