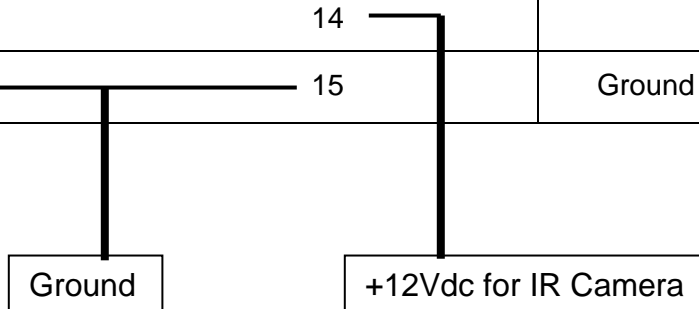


Pin Layout and wiring of the two 15 pin Connectors for chamberscope IR camera

The illumination of the LEDs is controlled digitally. In the original Win95 installation, the digital signals were provided by DT3155 video frame grabber as TTL I/Os (0 – 5V). In this setup for XP, a DLP-IO8 digital USB I/O device is interfaced to the IR camera for brightness control

Large 15 pin connector to DT3155 Board on PC	Small 15 pin connector to IR camera on S4700 SEM			DLP-IO8 USB I/O Board
Pin #	Pin #	Signal	Wire Color	Channel #
1	1	DO_0	Orange	1
2	2	DO_1	Yellow	2
3	3	DO_2	Green	3
4	9	NC		
5	5	NC		
6	6	NC		
7	7	NC		
8	8	Video out	Red	
9	4	DO_3	Blue	4
10	10	DO_4	Pink	5
11	11	DO_5	Purple	6
12	12	DO_6	Grey	7
13	13	DO_7	White	8
14 (NC)	14		Black	
15	15	Ground	Black/White	GND



DO_n = digital output #n