

PTM PULSE TIMING MODULE



product introduction

Current OverDrive lights are pulse following while high speed cameras are pulse initiated. High speed cameras operate by sending a strobe pulse but then expect the light output to be on for 20, 50, 100, 250, 500, 750, or 1000 microseconds. A common strobe pulse of 5 μ s at the TTL level is used by high speed cameras. The Pulse Initiated Timing Module accepts a pulse of 5 μ s or longer and holds the pulse for the selected duration. The PTM allows the user to select a pulse length from 8 preset durations. The Module has a male M12 connector input which will connect to the camera and a female M12 output which will connect to OverDrive lights.



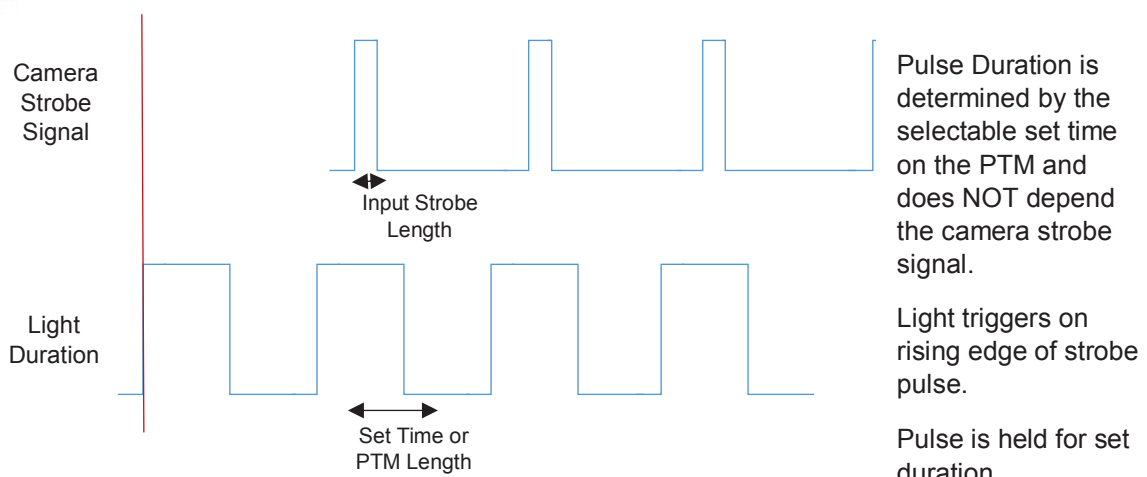
product features



- Male to female connection
- Accepts a pulse of 5 μ s or longer
- Ability to set pulse time with 8 position rotary selector
- Pulse settings from 20 μ s to 250ms
- Reaction time or latency of 5 μ s
- Powered by 24VDC
- NPN and PNP strobe
- LED will indicate strobe output



operation





warnings

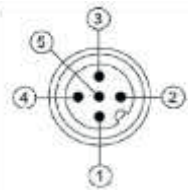


Attention

Please note that pulses less than 5µs will not generate a valid strobe pulse. Instead a short pulse similar to the input pulse will be output. Contact Smart Vision Lights for more information.



wiring configuration



- 1 - 24V
- 2 - NPN
- 3 - GND
- 4 - PNP
- 5 - 0-10V

Standard M12 mating cable color code:

- BROWN
- WHITE
- BLUE
- BLACK
- *GRAY (GREEN/YELLOW)

If Analog 0-10 VDC is not used to control light intensity, +VDC (24VDC) must be connected to Analog Input - Jumper pin 5 to pin 1

PIN	Wire Color	Function	Signal
1	BROWN	Power	+24 VDC
2	WHITE	NPN Strobe	GND for Active ON
3	BLUE	Ground	GND
4	BLACK	PNP Strobe	4VDC to 30VDC for Active ON
5	GREEN	Analog Intensity Control	0-10 VDC



Power, Ground, and 0-10V signal pass directly from male to female connectors.

The extended pulse is output to the NPN pin of the female connector. PNP is not connected on the female connector.

