

PULSAR 200R

Camera-Synced Pulsed Lighting



Infrared Light shown

FEATURES

- Light Pulse & Camera Shutter Sync
- White Light & Infrared Options
- Up to 10x Light Output
- Triggering Input Range (3.3-24 V)
- Built-In Pulse Generator & Controller
- Lifetime Warranty - Made in the USA

RANGE

WAVELENGTH	ANGLE	DISTANCE	HFOV
850nm (Infrared)	50° x 20°	131ft/40m	110ft/33m
	20° x 10°	276ft/84m	95ft/29m
	10°	342ft/104m	59ft/18m
730nm (Deep Red)	50° x 20°	122ft/37m	103ft/31m
	20° x 10°	255ft/77m	88ft/27m
	10°	316ft/96m	54ft/16m
White (Temp. 5000K)	50° x 20°	122ft/37m	103ft/31m
	20° x 10°	255ft/77m	88ft/27m
	10°	316ft/96m	54ft/16m

LICENSE PLATES: Highly reflective license plate coatings will increase the lights range of illumination up to 3x.

Camera Synced Pulsed Light

PULSAR series lights provide pulsed lighting to seamlessly integrate with camera shutter via I/O ports (Input/Output ports). Pulsed lights deliver up to 10x more light output, which is required to track fast moving processes such as ANPR/LPR applications, and machine vision.

Full Light Pulse & Camera Shutter Synchronization

To sync pulsed lighting with a camera shutter, which controls exposure time, a triggering input from the camera is required. Various applications require different camera exposure times. Input from the camera can fully control the lighting pulse timing and frequency to match camera exposure times.

Lifetime Warranty - Made In The USA

All products are covered by a lifetime warranty. All AXTON lights are designed and manufactured in the USA.

SPECIFICATIONS

Wavelength Options	850nm IR, 730nm or White
Angle	50°x 20° , 20°x 10° or 10°
Peak Power	200 Watts
Output Optical Pulse Duration	(0.1 – 2) ms
Repetition Rate	Single Shot - to 50 Hz
Triggering Input Range	3.3 - 24 V
Input Voltage	(24 - 36) VDC
Operating Temperature	-58°F...+140°F / -50°C...+60°C
Dimensions	6.25" x 3.5" x 9.25"/ 159 x 89 x 235mm
Weight	5.5 lbs/2.5kg
Environmental	Outdoor IP67 Rated
Mounting	Pan/Tilt U-bracket

ANGLE OPTIONS



CAMERA & PULSED LIGHTING TIPS

PULSED LIGHTS- Fast shutter speed combined with high f-stop number will reduce available light for the camera by 5-10 times. Pulsed Lighting (white or infrared) synced with camera shutter, will emit light when the shutter is open, and shut-off when the shutter is closed. The camera and lighting is synced via I/O ports input.

CAMERA - To capture fast moving processes, set your camera's shutter speed (exposure time) at 1/1000 of a second or faster. Fast shutter speed allows less light into the camera, hence the additional lighting is necessary.

