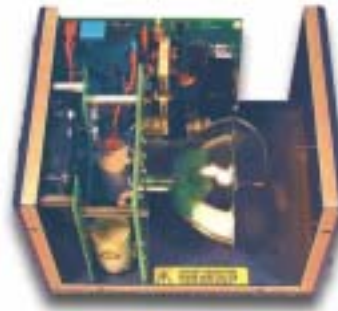


X-Strobe Series Machine Vision High Intensity Xenon Stroboscopes



X-Strobe pictured with optional nosepiece and fiber optic bundle



Re-designed interior offers advanced xenon lamp and power management systems

The X-Strobe Series is an advanced machine vision illumination strobe system. It's high output, long life, small size and superior reliability combine to make the X-Series the most versatile fiber optic stroboscopes available. These products incorporate the latest innovations in Xenon flashlamp technology, Power supply engineering, trigger performance and reflector design while meeting CE requirements.

The Xenon Flashlamp produces intense pulses of radiant energy covering the ultraviolet (UV), visible (VIS) and near infrared (NIR). When coupled to a CCD/CID camera system, the strobe "freezes motion" which eliminates blur and enhances image quality. Several variations of the X-Strobe Series are available; each optimized for maximum light output at a specific flash rate. External signal inputs allow you to further customize the stroboscope to your unique application.

Optical Specifications (1)		
Model	X-142-1200	X-142-400
Maximum flash rate (2)	20 Hz (0 to 45 Hz)	60 Hz (0 to 135Hz)
Input energy per flash (3)	1.0 to 2.2 J	0.3 to 0.7 J
Light output flash duration (4)	8 to 10 μ sec	2 to 10 μ sec
Photometric light output (5)	31 lumen-sec	12 lumen-sec
(6)	19 lumen-sec	8.5 lumen-sec
(7)	8.5 lumen-sec	4.2 lumen-sec
Radiometric light output (5)	225 mJ	90 mJ
(6)	145 mJ	60 mJ
(7)	65 mJ	30 mJ
Spectral bandwidth	250 - 1100 + nm	
Flashlamp life (8)	$>10^8$	$> 2 \times 10^8$
Discharge Capacitance	12 μ f	4 μ f
Electrical Specifications		
Input voltage	100 - 240 Vac ($\pm 10\%$), 50 - 60 Hz	
Maximum output power	43 W	
Input current (rms)	1.5 A @ 115 Vac	
Flashlamp voltage (9)	400 - 600 Vdc adjustable	
Remote intensity control	4 - 6 Vdc (Vref: Vlamp = 1 : 100)	
External trigger input (10)	+5 V TTL pulse, 20 mA, 10-100 μ sec	
Environmental Specifications		
Operating temperature	32 to +104°F (0 to +40°C)	
Storage temperature	-40 to +194°F (-40 to + 90°C)	