

Engine CAMERA

WORLD FINEST 100MA high light
IR LED BUILT-IN



ENG -3212W

KEY FEATURES

- World Best 100mA Visible 850nm IR LED x 12ea Built-in (visibility Range : Real 10M (Approx. 30feet))
- 1/4" SHARP High Sensitive 380TVL High Performance image Sensor Built-in (Min Illumination : 0.5lux(LED OFF))
- Color at Day time and B/W at Night time controlled by CDS Sensor without noise
- Dynamic IR LED ON/OFF controlled by Digitalized CDS Sensor
- No missed malfunctions at dawn, dusk or any twilight time
- Stable Electric current supply controlled by Digitalized mechanism
- ILCG™ - IR LED Contrast filtered-Front Cover Glass (Manufactured by SCHOTT AG, Germany)
- No Fluorescent material, No dye Glass For long Range IR LED Light distance without any interference.
- IR LED CUT coated CDS Sensor Built-in – Sensoring all of spectrum precisely and automatically.
- IR LED Temperature Feed back Circuit – Advanced IR LED Protection through control Electronic Current.
- Accidental Surge from air and Shock Protector Built-in for stable application.
- Reverse Polarity Power Protection Circuit Built-in and extremely Low Power Consumption
- Robust Vandalproof & Weatherproof (IP=67), Tamperproof & Rustproof Aluminum Casing for Outdoor.
- Extremely High Electronic Voltage Tolerance level – Min.8V ~ Max.20V for high performance



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SPECIFICATION

ENG – 3212W	
Image Sensor	1/4" SHARP High Sensitive (270K Pixels/320K Pixels)
H. Resolution/ Scanning System	NTSC/PAL – 380TVL(2:1 Interlaced)
	NTSC(525TVL) : 512x492, PAL(625TVL) : 500x582
Min. Illumination	0.056Lux / F1.6 (IR LED OFF)
Scanning Frequency	Horizontal:15,734Hz(NTSC) / 15,625Hz(PAL)
Video output Level	1.0Vp-p (75ohms, Composite)
S/N Ratio	More than 48dB(AGC Off)
Gamma	$r = 0.45$
White Balance	2,100°K - 9500°K - Auto
Gain Control	4dB – 32dB - Auto
IR LED Capability	100mA Visible 10mm Diameter (850nm)x12ea
	Each channel have 100mA Max.
Visibility Range	Real 10 Mete or more (Approx. 30 Feet)
CDS Sensor	IR CUT coated CDS Sensor control IR LED On/OFF at 4-10Lux
	Dynamic IR LED Turn On & Off automatically
Color / BW Control	Color at Day time & B/W at Night time changed automatically
Operating Temperature (Humidity)	- 20°C - +60°C (10% - 95% RH)
Lens	STD Lens : f = 3.6mm IR Lens (AOV : 92° Max)
	4.3mm / 6mm / 8mm / 12mm
MTTF	80,000 Hour (Easy Changeable IR LED 40,000 Hour)
Power Source	DC12V 290mA Regulated (Normal)
	DC8V -20V –High Tolerance
Dimensions (WxHxD/mm)	82.0 x 76.0 x 71.0(w/Sunshield)
Net Weight	210g (w/Sunshield)

