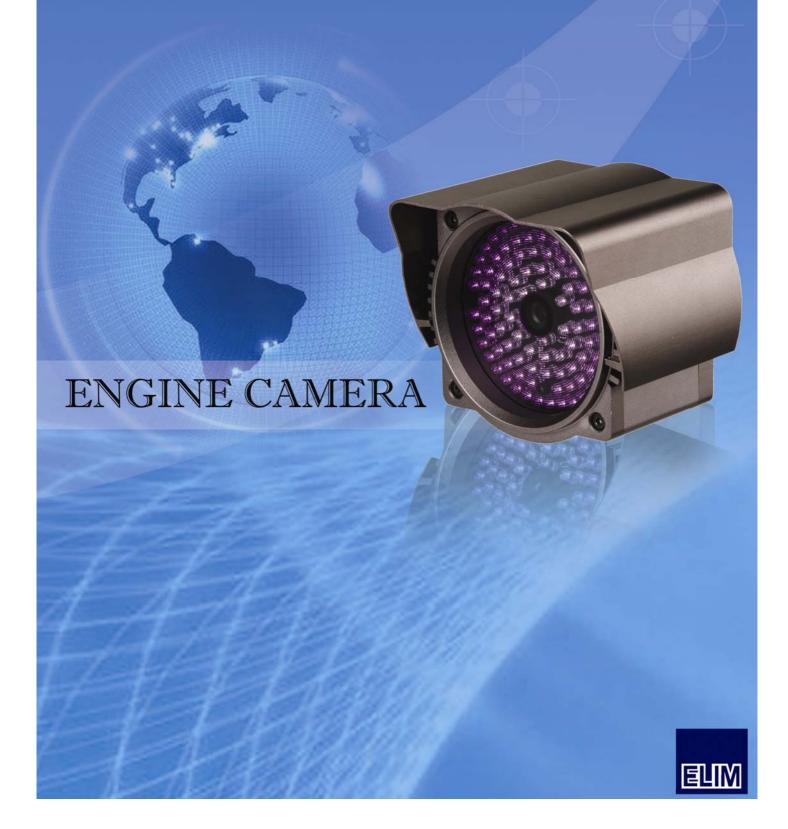# Powerful CCTV System Provider

ELLIM continues to supply digiralized various surveillance
system and high-performance security units which are equipped
with the most sophisiticated technologies - most stable surveillance systems
for most complicated security circumstances - for your security of life & property

ENGINE CAMERA

ELIM

1/3 inch HIGH SENSITIVE SHARP
Day & night IR LED CAMERA

🔵 KEY FEATURES

ENG −3356W

● **World finest Visible 850nm IR LED x 56ea Built-in**
  (World longest visibility Range : Real 30M (Approx. 90feet))

● **1/3" SHARP High Sensitive 380TVL High Performance image Sensor**
  (Min Illumination : 0.056lux(LED OFF))

● **Color at Day time and B/W at Night time controlled by CDS Sensor without Random noise**

● **Dynamic IR LED ON/OFF controlled by Digitalized CDS Sensor**
  - No malfunctions at dawn, dusk or any twilight time

● **Stable Electronic current supply controlled by digitalized mechanism**

● **ILCG™ - IR LED Contrast filtered-Front Cover Glass**
  - 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.20V ~ Max.19V for high performance**

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SPECIFICATION

ENG – 3356W	
Image Sensor	1/3" SHARP High Sensitive Newest 603 Version
H. Resolution/ Scanning System	NTSC/PAL – 380TVL(2:1 Interlaced)
	NTSC(525TVL) : 512x492, PAL(625TVL) : 500x582
Min. Illumination	**0.056Lux (IR LED OFF)**
Scanning Frequency	Horizontal:15,734Hz, Vertical:59,94Hz
Video output Level	1.0Vp-p (75ohms, Composite)
S/N Ratio	More than 48dB(AGC Off)
Gamma	r = 0.45 or more
White Balance	2,100ºK - 9200ºK - Auto
Gain Control	4dB – 32dB - Auto
IR LED Capability	Visible 5mm Diameter (850nm, 20º)x56ea
	Dynamic IR LED On/Off
Visibility Range	Real 30 Meter (Approx. 90 Feet) / Max 40 Meter (120Feet)
CDS Sensor	Digital MICOM IC Controlled IR LED On/Off at 5 Lux
Color / BW Control	Color at Day time & B/W at Night time
	Digital MICOM IC Controlled Color Signal Changeable.
Operating Temperature (Humidity)	- 10℃ - +60℃ (10% - 95% RH)
Lens	STD Lens : f = 8.0mm IR Lens (AOV : 68º)
	3.6mm / 4.3mm / 6mm / 12mm / 16mm
MTTF	80,000 Hour (Easy Changeable IR LED 80,000 Hour)
Power Source	DC12V 1A Regulated (Normal)
	DC8V -20V (Input Power:Max.560mA)
Dimensions (WxHxD/mm)	82.0 x 76.0 x 71.0 (w/Sunshield)
Net Weight	480g (w/Sunshield)

240feet(80M) Nightview Digitalized IR LED Weatherproof CAMERA

🔵 **KEY FEATURES**

ENG –5004WT

● **World greatest Visible 850nm IR LED x 105ea Built-in**
  (World longest visibility Range : Real 80M (Approx. 240feet))

● **1/3" SONY SUPER HAD 380TVL image Sensor Built-in**
  (Min Illumination : 0.1lux(LED OFF))

● **TMIC ™** – Triple Micom (Digital Micro Processor) IC Control System Built–in
  – True color at day Time and True B/W at night time controlled by Digital TMIC ™
  – Accurate IR LED ON/OFF controlled by Digital TMIC ™
  – Stable Electric current supply for IR LED controlled by Digital TMIC ™

● **ZLCG™ - IR LED Light Enhanced Front Cover Glass(World First Coated Polycarbonate Front Cover)**

● **Digitalized CDS Sensor Built-in – Sensoring all of Spectrum precisely and changing Digital Signal automatically.**

● **IR LED Temperature Feed back Circuit – Advanced IR LED Protection.**

● **Accidental Surge and Shock Protector Built-in.**

● **Reverse Polarity Power Protection Circuit Built-in**

● **Robust Vandalproof & Weatherproof (IP=67), Tamperproof & Rustproof Aluminum Casing for Outdoor.**

● **Easy First-Aid mechanism – All of parts exchangeable easily by user (Including IR LED Board)**

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Engine CAMERA

● SPECIFICATION

ENG – 5004WT	
Image Sensor	1/3" SONY SUPER HAD (270K Pixels.)
H. Resolution/ Scanning System	NTSC/PAL – 380TVL(2:1 Interlaced)
	NTSC(525TVL) : 512x492, PAL(625TVL) : 500x582
Min. Illumination	0.1Lux (IR LED OFF)
Scanning Frequency	Horizontal:15,734Hz, Vertical:59,94Hz
Video output Level	1.0Vp-p (75ohms, Composite)
S/N Ratio	More than 50dB(AGC Off)
Gamma	r = 0.45 or more
White Balance	2,100ºK - 9100ºK - Auto
Gain Control	4dB – 32dB - Auto
IR LED Capability	Visible 5mm Diameter (850nm, 20º)x105ea
	Visible 5mm Diameter (850nm, 30º)x105ea
Visibility Range	World longest 80Meter(Approx. 240Feet.)
CDS Sensor	TMIC ™ Controlled IR LED On/Off at 3Lux
Color / BW Control	True Color at Day time & True B/W at Night time
	TMIC ™ Controlled Color Signal Changeable.
Operating Temperature (Humidity)	- 20℃ - +60℃ (10% - 95% RH)
Lens	STD Lens : f = 6.0mm IR Lens (AOV : 74º)
	3.6mm / 4.3mm / 8mm / 12mm / 16mm
MTTF	20,000 Hour (Easy Changeable IR LED 20,000 Hour)
Power Source	DC12V 1A Regulated (Normal)
	DC8V -20V TMIC ™ controlled (Input Power 600mA)
Dimensions (WxHxD/mm)	110 x 100 x 71 (w/Sunshield)
Net Weight	720g (w/Sunshield)

1/3 inch HIGH SENSITIVE SHARP
Day & night IR LED CAMERA

KEY FEATURES

ENG −3304W

● **World finest Visible 850nm IR LED x 105ea Built-in**
  (World longest visibility Range : Real 50M (Approx. 150feet))

● **1/3" SHARP High Sensitive 380TVL High Performance image Sensor Built-in**
  (Min Illumination : 0.056lux(LED OFF))

● **Color at Day time and B/W at Night time controlled by CDS Sensor without Random noise**

● **Dynamic IR LED ON/OFF controlled by Digitalized CDS Sensor**
  - No malfunctions at dawn, dusk or any twilight time

● **Stable Electric current supply controlled by digitalized mechanism**

● **ILCG™ - IR LED Contrast filtered-Front Cover Glass**
  - 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**

● Easy First−Aid mechanism – All of parts exchangeable easily by User (Including IR LED Board)

Engine CAMERA

● SPECIFICATION

ENG – 3304W	
Image Sensor	1/3" SHARP IR filtered super Sensitive
H. Resolution/ Scanning System	NTSC/PAL – 380TVL(2:1 Interlaced)
	NTSC(525TVL) : 512x492, PAL(625TVL) : 500x582
Min. Illumination	**0.056Lux (IR LED OFF)**
Scanning Frequency	Horizontal:15,734Hz, Vertical:59,94Hz
Video output Level	1.0Vp-p (75ohms, Composite)
S/N Ratio	More than 48dB(AGC Off)
Gamma	r = 0.45 or more
White Balance	2,100ºK - 9200ºK - Auto
Gain Control	4dB – 32dB - Auto
IR LED Capability	Visible 5mm Diameter (850nm, 30º)x56ea
	Dyanamic IR LED On/Off
Visibility Range	Real 50 Meter (Approx. 180 Feet)
CDS Sensor	Digital MICOM IC Controlled IR LED On/Off at 5 Lux
Color / BW Control	Color at Day time & B/W at Night time
	Digital MICOM IC Controlled Color Signal Changeable.
Operating Temperature (Humidity)	- 10℃ - +60℃ (10% - 95% RH)
Lens	STD Lens : f = 6.0mm IR Lens (AOV : 68º)
	3.6mm / 4.3mm / 8mm / 12mm / 16mm
MTTF	80,000 Hour (Easy Changeable IR LED 80,000 Hour)
Power Source	DC12V 1.5A Regulated (Normal)
	DC8V -20V (Input Power:Max.720mA)
Dimensions (WxHxD/mm)	110 x 100 x 71(w/Sunshield)
Net Weight	680g (w/Sunshield)

WORLD FINEST 100MA high light IR LED BUILT-IN

● KEY FEATURES

ENG –5012W

● **World Best 100mA Visible 850nm IR LED x 12ea Built-in**
  (visibility Range : Real 10M (Approx. 30feet))

● **1/3" SONY SUPER HAD 420TVL High Performance image Sensor Built-in**
  (Min Illumination : 0.1lux(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.19V for high performance**

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Engine CAMERA

SPECIFICATION

ENG – 5012W	
Image Sensor	1/3" SONY SUPER HAD (270K Pixels.)
H. Resolution/ Scanning System	NTSC/PAL – 420TVL(2:1 Interlaced)
	NTSC(525TVL) : 512x492, PAL(625TVL) : 500x582
Min. Illumination	0.1Lux / 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 50dB(AGC Off)
Gamma	r = 0.45
White Balance	2,100ºK - 9500ºK - 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℃ - +60℃ (10% - 95% RH)
Lens	STD Lens : f = 4.0mm IR Lens (AOV : 86º Max)
	3.6mm / 4.3mm / 6mm / 8mm / 12mm
MTTF	20,000 Hour (Easy Changeable IR LED 20,000 Hour)
Power Source	DC12V 280mA Regulated (Normal)
	DC8V -22V –High Tolerance
Dimensions (WxHxD/mm)	82.0 x 76.0 x 71.0(w/Sunshield)
Net Weight	210g (w/Sunshield)

WORLD FINEST 100MA high light IR LED BUILT-IN

● KEY FEATURES

ENG −3212W

- ● **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	2,100ºK - 9500ºK - 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℃ - +60℃ (10% - 95% RH)
Lens	STD Lens : f = 3.6mm IR Lens (AOV : 92º 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)

240feet(80M) Nightview Digitalized IR LED Weatherproof CAMERA

🔵 **KEY FEATURES**

ENG −2004WT

- ● **World greatest Visible 850nm IR LED x 105ea Built-in**
  (World longest visibility Range : Real 80M (Approx. 240feet))

- ● **1/3" SONY SUPER HAD 480TVL image Sensor Built-in**
  (Min Illumination : 0.3lux(LED OFF))

- ● **TMIC** ™ − Triple Micom (Digital Micro Processor) IC Control System Built−in
  − True color at day Time and True B/W at night time controlled by Digital TMIC ™
  − Accurate IR LED ON/OFF controlled by Digital TMIC ™
  − Stable Electric current supply for IR LED controlled by Digital TMIC ™

- ● **ILCG™ - IR LED Light Enhanced Front Cover Glass(World First Coated Polycarbonate Front Cover)**

- ● **Digitalized CDS Sensor Built-in – Sensoring all of Spectrum precisely and changing Digital Signal automatically.**

- ● **IR LED Temperature Feed back Circuit – Advanced IR LED Protection.**

- ● **Accidental Surge and Shock Protector Built-in.**

- ● **Reverse Polarity Power Protection Circuit Built-in**

- ● **Robust Vandalproof & Weatherproof (IP=67), Tamperproof & Rustproof Aluminum Casing for Outdoor.**

- ● **Easy First-Aid mechanism – All of parts exchangeable easily by user (Including IR LED Board)**

Engine CAMERA

● SPECIFICATION

ENG – 2004WT	
Image Sensor	1/3" SONY SUPER HAD High Resolution (410K Pixels.)
H. Resolution/ Scanning System	NTSC/PAL – 480TVL(2:1 Interlaced)
	NTSC(525TVL) : 768x494, PAL(625TVL) : 752x582
Min. Illumination	0.3Lux (IR LED OFF)
Scanning Frequency	Horizontal:15,734Hz, Vertical:59,94Hz
Video output Level	1.0Vp-p (75ohms, Composite)
S/N Ratio	More than 50dB(AGC Off)
Gamma	r = 0.45
White Balance	2,100ºK - 9100ºK - Auto
Gain Control	4dB – 32dB - Auto
IR LED Capability	Visible 5mm Diameter (850nm, 20º)x63ea
	Visible 5mm Diameter (850nm, 30º)x42ea
Visibility Range	World longest 80Meter(Approx. 240Feet.)
CDS Sensor	TMIC ™ Controlled IR LED On/Off at 5Lux
Color / BW Control	True Color at Day time & True B/W at Night time
	TMIC ™ Controlled Color Signal Changeable.
Operating Temperature (Humidity)	- 20℃ - +60℃ (10% - 95% RH)
Lens	STD Lens : f = 6.0mm IR Lens (AOV : 68º)
	3.6mm / 4.3mm / 8mm / 12mm / 16mm
MTBF	20,000 Hour (Easy Changeable IR LED 20,000 Hour)
Power Source	DC12V 1A Regulated (Normal)
	DC9V -15V TMIC ™ controlled (Input Power 650mA)
Dimensions (WxHxD/mm)	110 x 100 x 71 (w/Sunshield)
Net Weight	720g (w/Sunshield)

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