

# EER-E261-IR

## Rugged IR PTZ Camera

- ❖ 26X zoom camera
- ❖ 470TV Lines
- ❖ Image Stabilizer
- ❖ Super IR 14PCS



### ❖ EER-E261-IR

#### (Effective 800K pixels)

The WCA-E261 incorporates 1/4" Sony Super HAD CCD sensor and achieves a resolution of effective 800,000 pixels. It is ideal for users demanding extremely clear images with great detail. It also features a 26x optical auto-focus zoom lens with an image stabilizer allowing users to clearly capture small or distant objects while in motion .

### ❖ Digital Image Stabilization

As zoom ranges are extended, image stabilization becomes increasingly important. The image stabilization algorithms of these cameras eliminate camera shake for exceptional image clarity. It achieves clarity without reducing camera sensitivity or picture quality



### ❖ FEATURES

- 1/4" 740K pixel Super HAD CCD
- High-powered 26x optical zoom, Digital 12x zoom
- Digital Image Stabilizer
- IR/ White LED selectable
  - Super IR LED :14pcs, 5Ø IR LED 46pcs
  - Super White LED:14pcs, 5Ø White LED 46pcs
- Light distance: 120m (manual focusing)
- IP66 Outdoor Application
- Endless Pan rotation (-22.5 ° to 90 ° Tilt angle)
- Up to 63 programmable preset
- less than ±0.1° Preset Accuracy
- 8 programmable Tour, 4 Pattern
- Alarm - Move the camera to programmed Preset position with Alarm trigger.(Max. 2)
- 4 Scan(Programmable speed and diagonal scan)
- Programmable Privacy Masking(2 Zones)
- RS-422, RS-485 communication
- Multiple protocol (Pelco-D, Pelco-P, Wonwoo)
- Built-in Menu System for Setup of Programmable Functions
- Mechanical Auto Flip
- Programmable Zoom Speed(Optional Update tool)
- DC 12V,3A

### ❖ Light Function

It's builin 45 pcs LED and additional 14pcs Super LED(Infra-red or white ), So it provides visible distance up to 120m in dark.(manual focusing)

### ❖ Auto ICR

These cameras offers optimal sensitivity in both day and night shooting applications. At a set level of darkness, the IR-cut filter is automatically disabled (ICR ON) and the near-infrared sensitivity is increased. At a set level of brightness, the filter is automatically enabled (ICR OFF). The IR-cut filter automatically engages depending on the ambient light, allowing the camera 24/7 operation in a variety of lighting conditions.

### ❖ Enhanced Auto Focusing & Smart Lens Control

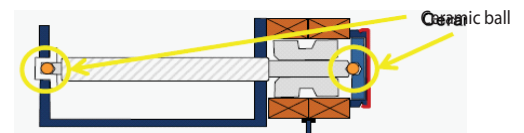
The newly developed focus motor adopts the special ceramic ball as pedestal of shaft (current one is steel ball). This will greatly enhance the durability of focus motor. By increasing the speed of rotation of zoom motor and redesigning the motor screw, the zoom speed will be faster.(4.0sec --> 2.5sec)

These cameras feature this function. Each incorporates SMART Lens Control technology, which monitors the focus position of the lens while zooming, and automatically compensates for any mechanical misalignment that may occur over long periods of continuous usage. With this beneficial feature, periodic lens initialization is no longer required during continuous 24-hour operation.

### ❖ APPLICATION



Cross section of focus motor



# EER-E261-IR

## Rugged IR PTZ Camera

### SPECIFICATIONS

MECHANICAL	
Pan	360° Endless Pan 0.1° to 100°/sec.
Pan Preset Speed	110°/sec, ± 0.1° Accuracy
Tilt	-22.5° to 90° tilt angle (64steps proportional to zoom)
Tilt Preset Speed	60°/sec, ± 0.05° Accuracy
Weight	3kg
Dimensions	271.35(W) x 209.90(H) mm

ENVIRONMENTAL	
Construction	Aluminum
Ingress Protection	IP66 (Outdoor Housing)
Color	Black or Cool Gray
Operating Temp	-20°C to 50°C (Fan&Heater power ON)
Humidity	0% to 90%

FUNCTIONS	
Preset	63 points less than 0.1° accuracy
Tour	8 programmable
Pattern	4 patterns
Flip	Mechanical / Auto / Off (Rotate 90° at bottom of tilt)
Auto Scan	4 (programmable speed and diagonal scan)
Privacy Zone	2 blocks with title (Masking / Video off)
Address	Up to 255 selectable ID (Rotary switch)
Data Communication	RS-485 / RS-422
Protocol	Multiple protocol
Baud rate	2400, 4800, 9600, 19200, 38400, 57600, 115200 bps
Alarm In	2 alarm (NO/NC, Priority)
Alarm Out	2 relay out (Hold, Latch)
Display	Zone title on/off (start / end zone)

ELECTRICAL	
Power	DC 12V, 22W, 1.5A(with extra IR 3A) (Power adaptor not included)
Consumption	18.0 W ( 1.0A Max.)
Fan & Heater	42W

EXTRA LIGHT SPECIFICATION (SELECTABLE)	
No. of IR LED	Super IR LED14pcs, 5Ø IR LED 46pcs
No. of White LED	Super White LED14pcs, 5Ø White LED 46pcs
Other	IR & White LED : OSRAM

CERTIFICATION	
CE, FCC CLASS A, RoHS	

### CAMERA SELECTION

MODEL	EER-E260N-IR EER-E260P-IR	EER-E261N-IR EER-E261P-IR
Image Sensor	1/4" Exview HAD CCD	1/4" Super HAD CCD
Effective Pixels	NTSC: 380K, PAL: 440K Pixels	NTSC: 680K, PAL: 800K Pixels
Lens	Optical 26x, Digital 12x f=3.5 to 91mm(F1.6 to 3.8)	
Digital Zoom	ON/OFF(Max. 12x)	
Angle Field of View	H : 54.2°(wide) to 2.2°(tele)	H : 42°(wide) to 1.6°(tele)
Scanning System	Interlace	
Synchronization	Internal	
Frequency	NTSC: 15.734 Khz(H), 59.94 Hz(V) PAL: 15.625 Khz(H), 50.00 Hz(V)	
Resolution	470 TV Lines	
Min. Illumination	0 Lux (IR ON)	
S/N (Y signal)	50 dB	
Video Output	CVBS : 1.0Vp-p/75Ω	
Focus	Auto / Manual / One-Push	
IRIS Control	Auto / Manual	
Camera Title	ON/OFF	
Day & Night	ON/OFF (IR Cut Filter Removable)	
Gain Control	Low, Middle, High, Manual, Off	
White Balance	1,800 ~ 10,500 K	
Image Stabilizer	N/A	ON/OFF
Electronic Shutter Speed	22 steps 1/1 to 1/10,000	
Control Output	2400, 4800, 9600, 19200, 38400, 57600, 115200 bps	
Flip	Mechanical Auto flip ON/OFF	
Operating Temperature	-20° ~ 50 °C (Fan /Heater power ON)	
Weight	3kg	
Dimensions	138(ø) X 209.90(H) (mm)	

### SPECIFICATIONS OF ADDITIONAL LED

	White LED	Infra Red LED
Light Distance	120m (Manual Focusing)	
LED	Super White LED 14EA with Lens 12° 5Ø White LED 45EA	Super IR LED 14EA with Lens 12° 5Ø IR LED 45EA

### DIMENSIONS

Unit : mm

