

WCA-363

Rugged IR PTZ Camera

- ❖ 36X zoom camera
- ❖ 700TV Lines
- ❖ Support WDR
- ❖ Vehicle application
- ❖ e-mark



❖ WCA-363

(HIGH-POWERED OPTICAL 36X ZOOM & WDR)

It incorporates a powerful 36x optical zoom lens, allowing for a zoom capacity of up to 1152x when used in combination with its 32x digital zoom. The integrated Advanced BLC technology is used to improve the camera's dynamic range by 128 times, resulting in high definition image reproduction during extreme high contrast environments.

❖ WDR (Wide dynamic range)

The Camera delivers clear, high quality pictures even in backlight, by increasing exposure in dark areas while decreasing it in bright areas a corrected image with clear details results.



❖ FEATURES

- 1/4" 613K pixels SONY Super HAD dual scan CCD
- 700TV lines of most high resolution - HR7 mode
- Progressive scan 612,688 pixel
- Optical 36x power zoom and 32x digital zoom
- Dual scan 512x WDR
- Intelligent detection for baggage removed and loaded
- 1/4" Exview HAD CCD, Sony optical 36x zoom with WDR
- High-powered 36x optical zoom
- 50 IR LED 46pcs
- Light distance: 80m (manual focusing)
- IP66 Outdoor Application
- Endless Pan rotation (-22.5 ° to 90 ° Tilt angle)
- Up to 63 programmable preset
- less than $\pm 0.1^\circ$ 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, 1.5A
- Optional 24V AC power input

❖ 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.

❖ Light Function

It's built-in 45 pcs LED (Infra-red or white), So it provides visible distance up to 80m in dark.(manual focusing)

❖ OPTIONAL

This stable and reliable design makes ideal for car application such as traffic monitoring, car surveillance, because it has IP66 grade, Aluminum die-casting body and Image Stabilizer function.

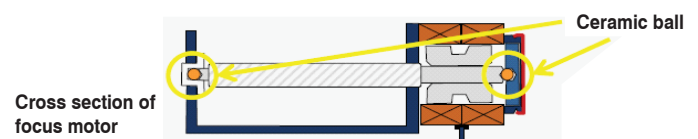
* Additional IR Models are not recommended for car application.



❖ 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.



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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	2.7kg
Dimensions	138(Ø) x 205.81(H) mm

ENVIRONMENTAL	
Construction	Aluminum
Ingress Protection	IP66
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)

LIGHT BAR SPECIFICATION	
Rated Voltage	DC 12V
Rotation Number of Reflector	80 ~ 120 / Mins

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
Light	5Ø IR LED or 46pcs
Light distance	80m (manual focusing)

CERTIFICATION	
CE, FCC CLASS A, RoHS, e-mark	

CAMERA SELECTION

MODEL	WCA-363N / WCA-363P
Image Sensor	1/4" SONY Super HAD II CCD (Double Scan)
Zoom	Optical 36x, Digital 32x
Total Pixels	NTSC:1028 (H) x 508 (V) / PAL : 1028 (H) x 596 (V)
Scanning system	Interlace
Scanning Frequency	NTSC:15.734KHz (H), 59.94Hz(V) / PAL: 15.625KHz(H) , 50Hz(V)
Sync System	Internal
Resolution	700TV lines (Color) / 800TV lines (BW)
Min.Illumination	Color DSS :0.001 lux, BW DSS:0.0004 lux / Color :0.5lux, BW:0.2 lux
Video Output	1.0 Vp-p (75ohm, composite)
S/N Ratio	More than 50dB(AGC off)
Focal Length	f=3.4mm~122.4mm (F 1.6 to 4.5)
Focus	Auto / Zoom -Trig / Manual
Focus Distance	0.1 / 1.3 / 1.8 / 3.0 / 5.0 m
E.Zoom	Off / Max 2x ~32x
Exposure	Auto / Shutter PRI / Manual
Gain Control	Off / On (Auo Max 32dB)
Shutter Speed	NTSC: 1/60 ~1/100,000sec PAL : 1/50~1/100,000sec
WDR / BLC	Off / WDR / BLC
Day&Night	Auto / Sens-in / Ext / Day / Night
White Balance	ATW / One-Push / Indoor / Outdoor / Manual/ Auto
Image DNR	Off / Manual / Auto
Privacy Mask	Off / 8 zones
Communication	Baud Rate : 2400 / 4800 / 9600 / 19200 / 38400 Protocol : Pelco-D / Pelco-P / VISCA
Display	Disp Sel / Init Sel / Set Tilt / Set Init Msg / Language

DIMENSIONS

Unit : mm

