WCA-363A

IR Outdoor PTZ Camera

FEATURES

- 1/4" 613K pixels SONY Super HAD dual scan CCD
- 700TV lines of most highest resolution - HR7 mode
- Progressive scan 612,688 pixel
- Optical 36x power zoom and 32x digital zoom
- Dual scan 512x WDR
- Intelligent detection for baggage removal and loading (Option)
- 12pcs of 18ø IR Lens (120m manual focusing)
- AC24V version for CCTV
- IP66 Outdoor Application
- Endless Pan rotation(TOP 15°~270°, BOTTOM 345°~90° tilt angle)
- Up to 63 programmable presets
- less than 0.3° Preset Accuracy
- 8 programmable Tour, 2 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)
- Digital Noise Reduction (2D + 3D)
- Digital Image Stabilizer (DIS)
- High Light Compensation (HLC) Function

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WCA-363 -Vehicle application

- DC12V version for vehicle application :
  The power ground and video ground in DC12V version is unified in
  common so that the power can be input from vehicle.

Auto ICR

These cameras offer 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.
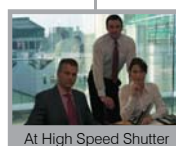
WCA-363
(HIGH-POWERED OPTICAL 36X ZOOM & WDR)

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 cameras 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.
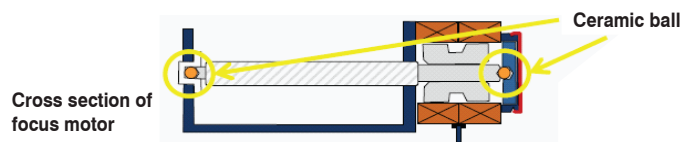

At Normal Speed Shutter

At High Speed Shutter   Simulated Image

Light Function

It's builtin 12pcs of 18ø IR Lens , So it provides visible distance up to 120m in the dark.(manual focusing)
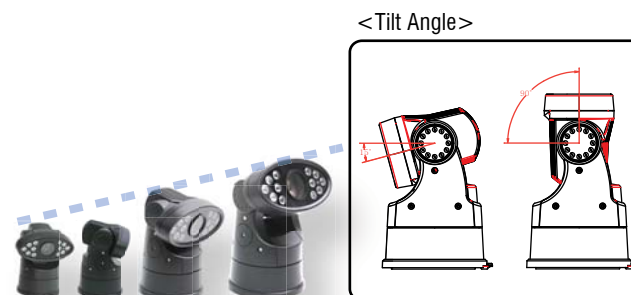
Enhanced Auto Focusing & Smart Lens Control

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

These cameras all 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.

Ceramic ball

**Cross section of
focus motor**

360˚ Endless Pan Rotation(-15˚ to 90˚ Tilt Angle)

<Tilt Angle>

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IR Outdoor PTZ Camera

SPECIFICATIONS

MECHANICAL	
Pan	360° Endless Pan
	0.1° to 100°/sec.
Pan Preset Speed	110°/sec, 0.3° Accuracy
Tilt	TOP 15°~270° , BOTTOM 345°~90° tilt angle, Proportional to zoom
Tilt Preset Speed	60°/sec, 0.3° Accuracy
Weight	2.7kg
Dimensions	138(Ø) x 212(H) mm

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

FUNCTIONS	
Preset	63 points
Tour	8 programmable
Pattern	2 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(WTX, PELCO-D V1, PELCO-P, PELCO-D V5)
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	AC24V, 50W, 2.1A
	(Power adaptor not included)
Light	12pcs of 18ø IR Lens
Light distance	120m (manual focusing)

CERTIFICATION
CE, FCC CLASS A, RoHS

WCA-363

ELECTRICAL	
Power	DC 12V, 40W, 3.3A
	(Power adaptor not included)
	IR : 1.9A (23W) (Fan &Heater ON)
Light	12pcs of 18ø IR LED
Light distance	120m (manual focusing)

12VDC model is designed for vehicle application. Ground for both power and video is just one and therefore the power is not isolated and may damaged by sruge input if it is installed in general circumstance not in Vehicle.

CAMERA SELECTION

MODEL	WCA-363AN / WCA-363AP
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/ One Push / Manual / infinity
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 / 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 ,57600, 115200 bps
	Protocol : WTX, PELCO-D V1, PELCO-P, PELCO-D V5
Display	Disp Sel / Init Sel / Set Tilte / Set Init Msg / Language

DIMENSIONS

Unit : mm