

WCA-363

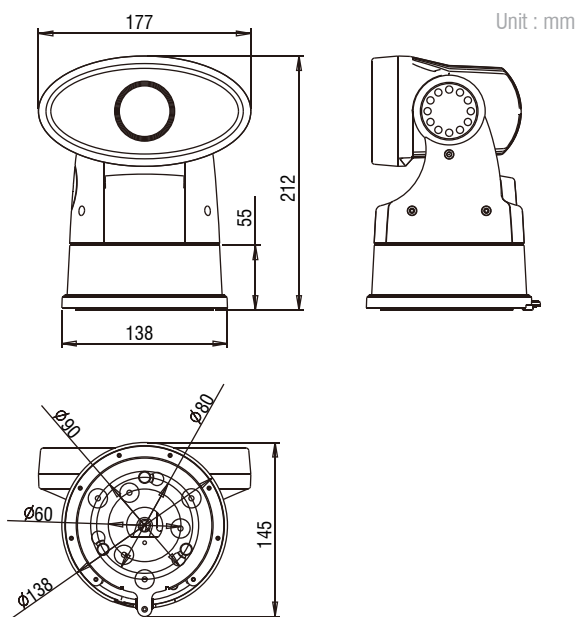
960H x36 Zoom IR Rugged PTZ Camera



FEATURES

- 1/4" 613K pixels Sony Super HAD II Double scan CCD
- 700TV lines High Resolution
- Powerful x36 Optical Zoom, x32 Digital Zoom(Total x1,152)
- True WDR(x512)
- Digital Noise Reduction(2D+3D)
- Digital Image Stabilizer(DIS)
- High Light Compensation(HLC)
- Endless Pan rotation(TOP 15°~270°, BOTTOM 345°~90° tilt angle)
- 63 Presets, 8 Tours, 4 Scans, 2 Patterns, 2 Alarms
- Mechanical Auto Flip
- RS-422, RS-485 communication
- Multiple protocol (Pelco-D, Pelco-P, Wonwoo)
- 12pcs of 18Ø IR Lens(IR Distance 120m in manual focusing)
- IP66 Outdoor Application
- Vehicle application : The power ground and video ground in DC12V version is unified in common so that the power can be input from vehicle.

DIMENSIONS



- ❖ 960H 700TVL, Effio DSP
- ❖ True WDR, x36 Zoom

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(HIGH-POWERED OPTICAL x36 ZOOM & WDR)

It incorporates a powerful x36 optical zoom lens, allowing for a zoom capacity of up to x1152 when used in combination with its x32 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.



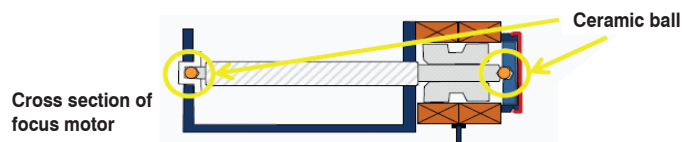
Light Function

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.



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.

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SPECIFICATIONS

MECHANICAL	
Pan	360° Endless Pan 0.1° to 45°/sec.
Pan Preset Speed	70°/sec, 0.5° Accuracy
Tilt	TOP 15°~270° , BOTTOM 345°~90° tilt angle, Proportional to zoom
Tilt Preset Speed	30°/sec, 0.5° Accuracy
Weight	Approximately 2.86kg
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 Flip ON / 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	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)

CERTIFICATION	
CE, FCC CLASS A, RoHS	

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 surge input if it is installed in general circumstance not in Vehicle.

CAMERA SELECTION

MODEL	WCA-363N / WCA-363P
Image Sensor	1/4" SONY Super HAD II Double Scan CCD
Zoom	Optical x36, Digital x32
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 x2 ~x32
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 Tilt / Set Init Msg / Language

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

