

VA305-VL60 Super Night vision Outdoor AF Zoom camera

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Product Information

VA305-VL60 is an Auto Focus Zoom lens built-in day/night camera specially designed for the professional Day/Night surveillance. With the built-in 30x (f3.3~99mm) optical zoom lens and Digital 10x zoom function, the camera provides 300 times of zoom capability. The unit possesses a super bright sensitivity of 0.0005 Lux at color mode and a ICR built-in Day/Night mechanism. At daytime, the camera features a 520TVL Color image and at nighttime, the image is converted into real B/W mode (Color signal removed) resulting in the resolution and sensitivity greatly enhanced. The camera incorporates an Intelligent CDS control technology that triggers mechanical day/night filter accurately switched on and Off with the image changed between Color and B/W at 5 lux outdoor darkness. With user-friendly IR Link outputs, installers can easily connect the IR illuminators on the spot. Specially designed power circuit enables the camera to be installed on an existing UTP or telephone cable without affecting on the camera's Day/Night performance.



Key Features

- Digital Zoom Camera (Optical 30x plus Digital 10x)
- High performance 1/4" Sony Super HAD CCD
- High resolution of 520 TVL at Day / 570 TVL at Night
- Greatly enhanced Sensitivity of 0.0005 Lux at F1.6
- IR Sensitive mechanical Day/Night filter system built-in (ICR)
- True Color at Day and Real B/W at Night conversion
- IR Connection 4P Din Jack (Left & Right) built-in
- Extended IR LEDs' life cycle and the sensitivity
- Accurate Day/Night perception • Side IR (850nm-8Ø x17°x6ea)
- RS-485 remote control (Pelco-D)
- IP66 Weatherproof • Cable concealed thru bracket.
- Installation with existing telephone cable up to 100M long.
- Easy to use OSD menu control
 - Motion detection. - Camera ID - Sens-up (2x~128x)
 - Dynamic Noise Reduction (DNR) - Privacy masking

Intelligent IR Compensation

The image reflected from the IR lights becomes WHITE from the conventional IR cameras. Visionhitech's new IR Compensation technology analyzes the light saturation and automatically optimizes the level to the objects being recognizable.



Conventional IR Image

Self-compensated IR Image

High power IR LEDs built-in LED Lamp Interchangeable



30x Optical Auto Focus Zoom (f3.3mm ~ 99mm)

The unit incorporates f3.3mm ~ 99mm 30 x optical and 10x Digital AF zoom lens, Built-in ICR enables the unit to create clear image quality for 24 hours Day & Night. With ODS menu control, the user can capture the view of up to 300 times closer.



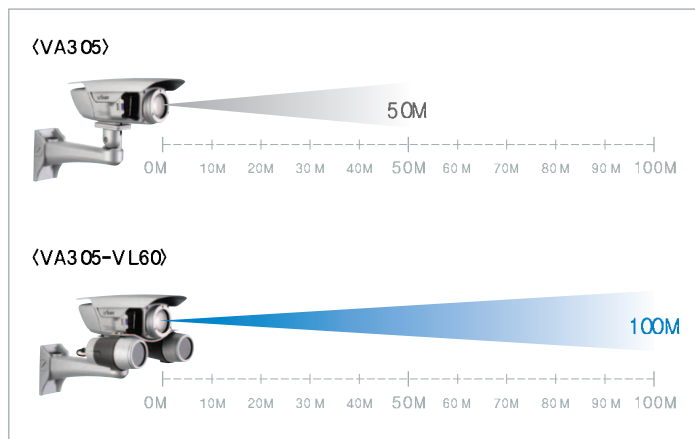
Normal optical view



30x optical zoom

Powerful night sensitivity

This new night vision camera includes high impact infra-red LEDs as a standard capturing a clear and very bright image at pitch black '0' Lux darkness for up to 100 meter long distance.



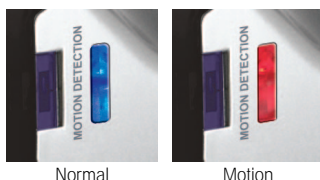
Extended IR LEDs' life cycle and the sensitivity

The VA305-VL60 adapts the Visionhitech's special IR life protection technology that extends the life cycle of IR LEDs at its maximum period of life span. Conventional IR cameras tend to produce a bright IR image at the beginning but the LEDs' performance is reduced day by day and finally burned to dead in short time period after the installation. Consequently the night vision performance of conventional cameras is seriously reduced within after several months of operation.

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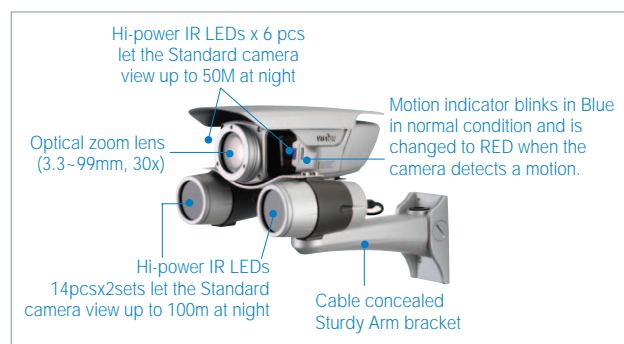
Motion detection Lamp

When the camera detects a motion, the RED LED blinks in order to deter an intruder's attempts of a crime. BLUE LED is on in normal condition,



IP66 Weatherproof

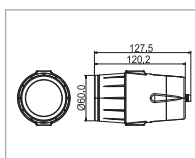
The unit is duly passed IP66 international weatherproof standard, allowing the camera to be operated safely from even extremely harsh water storming weather condition.



IR Link terminal

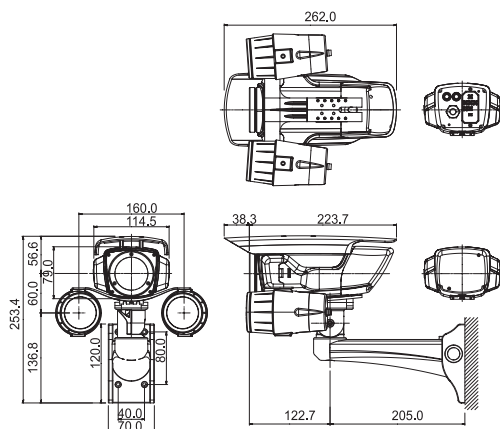


Optional IR Illuminator



Dimension

Dimension



| MODEL | VA305-VL60 |
|-------------------------|---|
| Image sensor | STD : 1/4 " Sony Super HAD CCD |
| Effective Pixels | NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V) |
| H.Resolution | 520 TV Lines (Day) / 570 TV Lines (Night) |
| Synchronizing system | Internal |
| Scanning system | NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced |
| Video output | 1.0Vp-p Composite. 75 Ohms |
| S/N Ratio | 50dB(AGC Off) |
| Min.illumination | 0.0005 Lux at F1.6(Sens-up) |
| OSD Menu | |
| OSD menu | RS485 (Controllable by DVR or controller) |
| Digital zoom | On / Off (2x~8x) |
| Day & Night | Color / B/W / Auto (ICR) |
| Back Light Compensation | Low / Middle / High / Off |
| Shutter Speed | Auto / Manual (NTSC : 1/60 ~ 1/120,000 sec.) (PAL : 1/50 ~ 1/120,000 sec.) |
| White Balance | ATW / AWC / Manual |
| Gain Control | Low / Middle / High / Off |
| Sens-up | Auto (2x~128x) / Off |
| DNR | Low / Middle / High / Off |
| Privacy | On / Off (Max. 32 zones / 8 Programmable zones per screen) |
| Flip | H-REV (On / Off) / V-REV (On / Off) |
| Focus control | Auto / Manual / One push |
| Iris control | Auto / Manual |
| Motion detection | On / Off |
| Communication | RS-485 (Pelco-D) |
| POWER | |
| Power source | 24VDC |
| Operating current | 140mA(IR "Off" at Day) 1050mA(IR "On" at Night) |
| LENS | |
| Lens | Auto Focus Digital zooms |
| Zoom ratio | 30x, f3.3~99mm (F1.6) |
| Min. Focus distance | 1M |
| Angle of view Lens | Horizontal: Approx.58.0°(Wide) to 2.22°(Tele) |
| initialization | Vertical: Approx.44.8°(Wide) to 1.68°(Tele) |
| Digital Zoom | On / Off (2x~10x) |
| Operating | |
| Operating Temperature | 14°F ~ 122°F (-10°C ~ +50°C) |
| Humidity | Within 90% RH |
| Weatherproof rating | IP66 |
| Measurement (mm) | 220(W) x 253(V) x 366(L) |
| Weight (Approx.g) | 3,400 |
| Connection | Cable concealed through Bracket |
| IR Function | |
| IR Spectrum | High Power 850nm-17° (8Ø) x 6ea |
| Viewable distance | Up to 50M at moonless night |
| MTBF of IR | 20,000 Hours |
| IR Option | |
| Addable IR Illuminator | VL60 |
| IR Spectrum | High Power 850nm-10Øx14°x9, 8Øx15°x5 |
| Viewable distance | Up to 100M at moonless night with VL60 x 2 sets in addition |