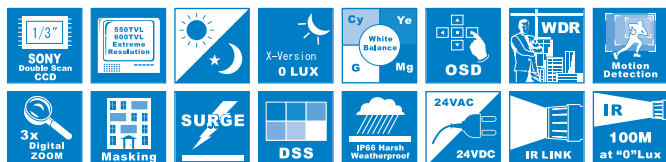


### Product Information

VA105WD-VL60 is a WDR day/night camera specially designed for the professional Day/Night surveillance. At daytime, the camera features a 550TVL Color image and at nighttime, the image is converted into real B/W mode (Color signal removal) resulting in the resolution and sensitivity greatly enhanced. The unique wide dynamic technology with smart & easy-to-use OSD settings provides users with the optimum solution for the best image quality at various situations. The camera incorporates an Intelligent CDS sensor and mechanical day/night dual filter system so that the filter is accurately switched on and Off with the image changed from Color to B/W or B/W to Color mode at a designated level by OSD. 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 operated from DC19V to DC35V maximizing the reliability of the unit from power fluctuations. This wide tolerance accepts most of unstable power supplies without failure before or after installation. It accepts either DC24V or 24VAC power supply unit with no polarity input.



### Key Features

- Super Wide Dynamic (sWDR)
- High performance 1/3" Sony Double Scan CCD
- High resolution of 550 TVL at Day / 600 TVL at Night
- Greatly enhanced Sensitivity of 0.0001 Lux at F1.3
- Easy-to-use OSD functions (External remote control Key option)
- C/CS and Flange-back focus adjustment lever built-in
- IR Sensitive mechanical Day / Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- IR Connection 4P Din Jack (Left & Right) built-in
- IP66 Weatherproof
- Installation with existing telephone cable up to 100M long
- Optic photo sensor built-in
- RS-485 (Pelco-D Protocol)
- Side IR(850nm-80x17°x 6ea)
- DC24V/1.9A Adaptor inclusion
- Long IR beam Distance : 100M View
- Easy to use OSD menu control
  - Motion detection.      - Camera ID      - DSS (2x~160x)
  - Digital zoom(1x~3x)      - 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

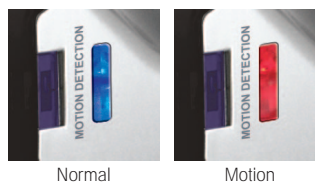
Self-compensated IR Image

### Super Wide Dynamic (sWDR)

Light level is controllable with provided easy-to-use OSD menu that enables the camera to be ideally set up for the most of different levels of backlit or contrast lighting situations.



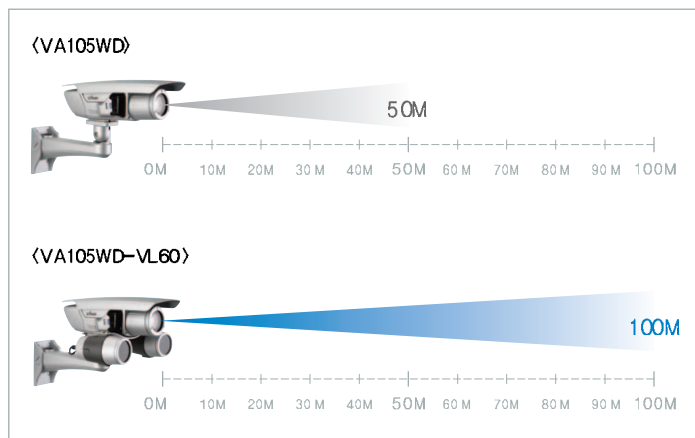
### Motion detection Lamp



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,

### Powerful night sensitivity

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



# VA105WD-VL60 | Super Night vision Outdoor camera

## High power IR LEDs built-in LED Lamp Interchangeable

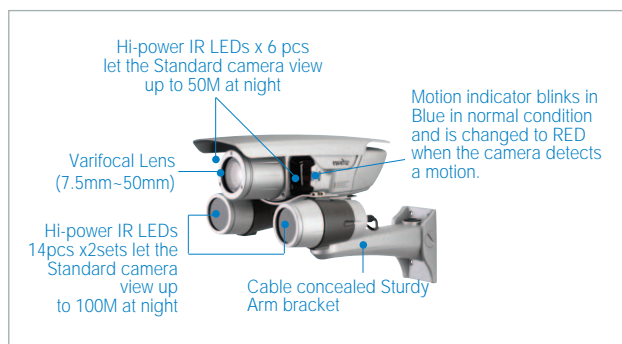


## Extended IR LEDs' life cycle and the sensitivity

The VA105WD-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.

## IP66 Weatherproof

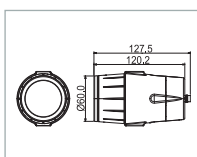
The unit is duly passed IP66 international weatherproof standard, allowing the camera to be operated safely from even extremely harsh water storming weather condition.



IR Link terminal



Optional IR Illuminator



Dimension

MODEL	VA105WD-VL60
Image sensor	1/3" Sony double scan CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	NTSC : 550 TV Lines (Day) / 600 TV Lines (Night) PAL : 540 TV Lines (Day) / 590 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	More than 48 dB (AGC Off)
Min. illumination	0.0001 Lux at F1.3 (DSS On) / 0.2 Lux at F1.3 (DSS Off)
Back Light Compensation	Off / On
Shutter Speed	NTSC : 1/60~1/100,000 sec PAL : 1/50 ~ 1/100,000 sec
Gamma correction	Standard $\gamma = 0.45$
White Balance	2,100°K ~ 9,100°K Auto ATW / Push Lock / User selectable by OSD
Gain Control	Standard : -6dB ~ 42dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	24VDC/24VAC
Operating current	140mA at 24VDC(IR "Off" Day) 1050mA at 24VDC(IR "On" Night)
Lens	7.5-50mm Varifocal lens
IR Spectrum	Side : 850nm-8Ø x 17° x 6ea illuminator : 850nm-10Ø x 14° x 9ea, 8Ø x 15° x 5ea,
Iris Control	ESC / DC IRIS by OSD Function
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Measurement (mm)	220(W) x 253(V) x 418(L)
Weight (Approx.g)	5,500

OSD Menu	
WDR	Off / On (User selectable by OSD)
White balance	Auto (ATW) / Push Lock / User selectable (Push : 1800°K~10500°K)
Gain Control	Low, Middle, High, Off Selectable
Digital Slow Shutter	Off / 2 x ~ 160 x (DSS)
Privacy Masking	On / Off (4 programmable zones)
Digital zoom	Off / On 1.5x, 2x, 3x.

IR Function	
IR Spectrum of 6LEDs	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 of VL60	High Power 850nm-10Ø x 14° x 9, 8Ø x 15° x 5
Viewable distance	Up to 100M at moonless night with VL60 x 2 sets in addition

