

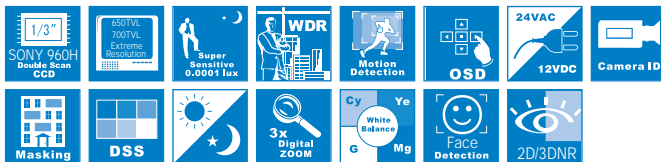
# VDA110E

2D/3DNR Wide Dynamic HD Dome camera

## PRODUCT INFORMATION

VDA110E realizes 650TVL Color image at daytime and crystallized 700TVL B/W image adopted 2D/3DNR at nighttime by using a 960H sensor designed for professional 24/7 surveillance.

The unique wide dynamic technology with smart & easy-to-use OSD settings provides user with an optimum solution for the best image quality at various situations. This unit incorporates an intelligent CDS sensor and mechanical day/night dual filter system which are accurately switched on and Off with the image changed from Color to B/W or B/W to Color mode at a designated Lux level from 1 Lux to 10 Lux by OSD. The professional 24/7 surveillance is strongly secured by Motion Detection, Facial Detection and Privacy Mosaic. The wide power tolerance accepts most of unstable power supplies without failure before or after installation.



## Key Features

- High performance 1/3" Sony 960H Double Scan CCD
- Super Wide Dynamic (sWDR)
- Easy-to-use OSD functions (possible to control locally or remotely)
- IR Sensitive mechanical Day / Night filter system built-in
- True Color at Day and Real B/W at Night conversion
- Optic photo sensor built-in
- High resolution of 650 TVL at Day / 700 TVL at Night
- Greatly enhanced Sensitivity of 0.0001 Lux at F1.3
- Roll free picture with 24VAC Line Lock
- 12VDC or 12VDC/24VAC Non-polarity Dynamic dual power input
- Camera ID
- Digital zoom (1.5x ~ 3x)
- Motion Detection
- Face Detection
- Digital Slow Shutter (DSS)
- 2D/3DNR (2D/3D Noise Reduction)
- Privacy Mosaic
- RS-485 (Pelco-D)
- Power option : 12VDC, 12VDC / 24VAC
- IP66 Weatherproof

## 2D/3DNR(2D/3D Noise Reduction)



VDA110E

Conventional

This unit reproduces an extremely clear image with 2D/3DNR technology simultaneously.

MODEL	VDA110E
Image sensor	1/3" Sony 960 H Double scan CCD
Effective Pixels	NTSC : 960 (H) x 494 (V) PAL : 960 (H) x 582 (V)
H.Resolution	650 TV Lines (Color) / 700 TV Lines (BW)
Synchronizing system	Internal
Scanning system	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced
Video output	1.0 Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. illumination	0.2 Lux at F1.3 (DSS Off) / 0.0001 Lux at F1.3 (DSS On)
Back Light Compensation	On / Off by OSD
Shutter Speed	NTSC : 1/60 ~ 1/100,000 sec. PAL : 1/50 ~ 1/100,000 sec.
Gamma correction	Standard $\gamma = 0.45$
White Balance	1,800 °K ~ 10,500 °K Auto ATW / Push Lock / Manual select able by OSD
Gain Control	Standard: -6 dB ~ 42 dB Auto / Maximum by OSD
Smear Effect	0.005%
Power source	12VDC, 12VDC / 24VAC Dual power
Operating current	260mA at 12VDC, 130mA at 24VAC
Lens	3.3mm~12mm Varifocal / 7.5 ~50mm Varifocal lens
Iris Control	DC
Operating Temperature	14 °F ~ 122 °F (-10 °C ~ +50 °C)
Humidity	Within 90% RH
Measurement (mm)	164 (Ø) x 121.5 (H)
Weight (Approx.g)	1,900
OSD Menu	
WDR	Off / On (User select able by OSD)
White balance	Auto (ATW)/ Push Lock / User selectable
Gain Control	Low, Middle, High, Off Selectable
2D/3DNR	Off / On (User select able by OSD)
Digital Slow Shutter	Off / 2x ~ 160x (DSS)
Motion Detection	On / Off (4 programmable zones)
Face Detection	On / Off (4Faces)
Privacy Mosaic	On / Off (4 programmable zones)
Digital zoom	Off, 1.5x, 2x, 3x