

Product Information

VDA110HQ is a camera specially designed for the professional Day/Night surveillance. High performance CCD sensor is used with a new DSP chip to improve the resolution up to 600TVL at nighttime in B/W mode. High quality sensor with new DSP chip increases the sensitivity up to 0.01Lux/F1.2 with Ex-view HAD CCD sensor. The image gives a perfect color in daytime and automatically changes into noiseless B/W image at nighttime making the picture quality the best and ever clear for low light circumstance. The unit supports user-friendly DIP Switches with an improved function controls and ease of operation. Specially designed power circuit enables the camera operates from DC9V to DC30V/AC10V to AC28V maximizing the reliability of the unit from power fluctuations. This wide tolerance accepts most of unstable power supplies without failure before or after installation.



Special features for the model

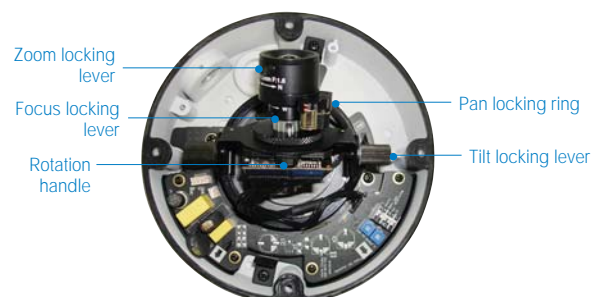
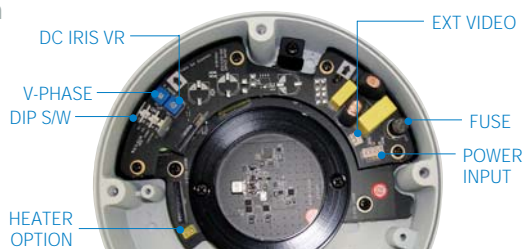
- High resolution of 560 TVL at Day & 600 TVL at Night
- 3.3~12mm Varifocal Lens
- IR Sensitive mechanical Day/Night filter system built-in (ICR)

General features

- Greatly enhanced Sensitivity of 0.1 Lux at F1.3
- True Color at Day and Real B/W at Night
- Built-in DIP SW functions (BLC, AGC, Gamma, AWB, Flickerless)
- DC12V/AC24V Dual power
- Protection from all kinds of conceivable dangers
- Vandal-proof
- Fire resistant
- Dust and Moisture free (IP66 Weatherproof)
 - Tamper resistant
 - Free from Shock and Vibration
 - Rust free against salty environment
 - Perfect Surge voltage protection
 - Protection from extreme temperature range of 40°F ~ 122° (-40°C ~ +50°C) - w/additional heater
- Advantageous ways of installation
 - Tool-free 3-Axis mounting mechanism
 - Detachable camera set
 - Dome bubble rotation
 - Industrial standard mounting arrangement
 - Additional service monitoring output

MODEL	VDA110HQ-VFAL12DN
Image sensor	STD : 1/3" Sony Super HAD CCD
Effective Pixels	NTSC: 768(H) x 494(V) PAL: 752(H) x 582(V)
H.Resolution	NTSC: 560 TV Lines (at Day) / 600 TV Lines (at Night) PAL : 540 TV Lines (at Day) / 580 TV Lines (at Night)
Synchronizing system	Line lock(AC24V input)/Internal(DC12V input)
Scanning system	NTSC 525 Lines PAL 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. Illumination	0.1 Lux at F1.3
Back Light Compensation	ON/OFF
Shutter Speed	NTSC:1/60~1/120,000 sec PAL: 1/50 ~ 1/100,000 sec
Gamma correction	Standard r=0.45
White Balance	Automatic(1800 ° ~ 10,500 °K)
Gain Control	Nor/Max
Smear Effect	0.005%
Power source	12VDC/24VAC Dual power
Operating current	At 12VDC:120mA Max-(Tol. 9VDC~30VDC) At 24VAC:90mA Max-(Tol. 10VAC~28VAC)
Lens	3.3~12mm
Iris Control	ALC/ESC
Output Terminal	4 Ft DIY cable w/BNC-Fe for Video, terminal block for Power
Operating Temperature	14° F ~ 122° F (-10° C ~ +50° C)
Humidity	Within 90% RH
Measurement (mm)	121.5(D) X 164(L)
Weight (Approx.g)	1800

Function



DIP SW
No.1: BLC (Switch ON = BLC ON) No.2: AGC (Switch ON = AGC max, Switch OFF = AGC normal)
No.3: GAMMA (Switch ON = Gamma 1, Switch OFF = Gamma 0.45)
No.4: AWB (Switch ON = Push Lock mode, Switch OFF = ATW mode) No.5: FLIKERLESS (Switch ON = FLIKERLESS ON)