

VDA110HQ-VFAL50DN

Ultra-Hires True DN *SuperDome* camera

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/F1.3 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 circumstance.

The unit support 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.



MODEL	VDA110HQ-VFAL50DN
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 $\gamma=0.45$
White balance	Automatic(1800 ° ~ 10,500 °K)
Gain Control	Nor/Max
Smear Effect	0.005%
Power Source	DC12V / AC24V Dual power
Operating Current	At 12VDC:120mA Max-(Tol. 9VDC~30VDC) At 24VAC:90mA Max-(Tol. 10VAC~28VAC)
Lens	7.5~50mm/F1.3 Aspherical Day/Night Lens
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

specification subject to change without notice

Special features:

- High resolution of 560 TVL at Day & 600 TVL at Night
- 7.5~50mm 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

Function

