

### VDA110HQ-VFAL12IR

Wide Dynamic True DN SuperDome camera

#### Product Information

VDA110HQ is a super high resolution vandalism proof dome camera specially designed for the professional Day/Night surveillance. Used with the true day/night function and HQ1 DSP, the resolution is greatly improved up to 560TVL(Colour) at day & 600TVL(B/W) at night.

The unit incorporates 21x 850nm IR LED's that enables the unit to see up to 30M clear view at total darkness.

It provides a 24/7 clear image quality from its unique built-in solutions like an anti-focus shift, an anti-IR reflection, true colour and monochrome image with ICR based True DN function, long time operation of IR life with IR protection technology, accurate Day and Night control etc.

The unit support user-friendly DIP Switches with an improved function controls and ease of operation.



MODEL	VDA110HQ-VFAL12IR
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 : 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	DC12V / AC24V Dual power
Operating Current	DC12V:120mA Max(Tol. DC9V~DC30V), 300mA (IR 'on' - Night) AC24V:90mA Max(Tol. AC10V~AC28V), 170mA (IR 'on' - Night)
IR Spectrum	850nm-5Ø x 30° x 21ea
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

specification subject to change without notice

#### Special features:

- 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)
- Long IR Beam Distance : up to 30M View at "0" Lux
- IR spectrum 850nm-30° x 21ea

#### 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

