

Day & Night IR Armour Dome Camera

S40369 - (4mm - 9mm)
S40370 - (2.6mm - 6mm)

Pacific Communications is proud to introduce the latest technology in combined infrared day & night video surveillance with the new Day & Night IR Armour Dome Colour Camera. Several new and unique technologies have been adopted to make this camera one of the worlds best in performance and reliability.

Providing increased performance of the IR components, the PACOM Day & Night IR Armour Dome Colour Camera dramatically improves upon the technical limitations associated with conventional IR cameras; such as overheating, the short-term life of the IR, defocusing of the camera at night, moisture & condensation issues, the lack of a clear image under the IR beam, and the short distance of IR illumination.

Best of all, the camera guarantees to provide reliable long-term night vision without degradation in IR performance.

Key Features

Electrical

- 1/3" Sony EX-View HAD Colour CCD
- Long distance night time surveillance at 0 Lux (upto 30m)
- Higher resolution - 450TVL(Day) / 550TVL (Night) - High resolution
- Extremely accurate colour reproduction (with 10bit A/D process)
- Precise self-focus technology under IR activation (SFOCAS)
- Automatic image conversion from Colour to BW (True DN)
- Intelligent IR Protection technology built-in (IIRP)
- IR cut/pass dual filter built-in (removable filter)
- DIP SW functions (FL on/off, BLC on/off, AGC nor/max, ALC/ESC, Int/LL, AWB/MWB)
- Surge power input protection built-in
- Accurate LED on/off (No hunting)
- 20,000 hours of IR MTBF
- 24VAC Linelock (No picture rolling)

Mechanical

- Robust metal Armour Housing
- Polycarbonate clear cover
- Optically correct clear window
- No IR reflection (REFLECTION FREE)
- No condensation
- Weatherproof for Indoor or Outdoor applications (IP66)
- Very easy to install
- Compact and Beautiful
- Easy access to Dip SW for function adjustments



**Pacific
Communications**
CLOSED CIRCUIT VIDEO SYSTEMS

Images taken under pitch black conditions in warehouse at night.



Visibility at 5 metres



Visibility at 10 metres



Visibility at 15 metres



Visibility at 20 metres

What's Special?

Greatly improved sensitivity

With sensitivity enhanced hardware, plus a built-in B&W mode change over system (True DN), this camera generates at least two times better low lux performance than conventional cameras.

Long distance ex-clear view at total darkness

Highly sensitive, long range Infra-red LEDs (850nm IR x 21 ea) are used, covering a distance of up to 30m.

True Day & Night image change at 5 Lux (True DN)

The Day & Night mode of the camera is instantly changed from Colour during daytime to B&W at night time at 5 lux. Combined with a built-in dual filter system, this allows the camera to produce a perfect true colour image during the day and a noise free B&W image at night.

Greatly improved horizontal resolution (10bit data process)

With built-in 10bit DSP technology, this camera provides extremely enhanced resolution, which is 10% higher in colour mode (450TVL) and 20% higher in B&W mode (550TVL) than conventional cameras.

Self focus compensation technology under IR illumination

The camera incorporates a self-focus adjustment technology, which corrects the focus shift when IR illumination is activated at night and maintains resolution of 450TVL(Day) and 550TVL(Night).

Intelligent IR Protection technology (IIRP) built-in

This model incorporates an IR LED protection technology that intelligently prevents IR LED's from burning out after long periods of use and to maintain the performance and life cycle of the IR LED's. Generally, conventional LED cameras are intentionally overpowered in order to brighten up the beam strength and this makes the camera run hot and seriously reduces the life cycle of the LED's and CCD sensor.

Accurate LED on/off (No hunting)

The LED light accurately turns on/off at 5 Lux with precise CDS technology.

Complete weatherproof mechanism

The camera is IP66 rated.

Specifications

Image sensor	1/3" Colour Sony Ex-view HAD CCD
Effective Pixels	PAL : 752(H) X 582(V)
H.Resolution	450TVL(Day) / 550TVL(Night) - PAL
Sync. system	Internal/LineLock switchable
Scanning system	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 F2.0 (w/o IR), 0 Lux/F2.0 (IR on)
BLC	ON / OFF
White balance	2100°K ~9100°K Auto
Gain Control	4dB~32dB Auto
Gamma correction	r = 0.45
Smear effect	0.005%
Shutter speed	PAL : 1/50~1/100,000 sec
IR spectrum	850nm 20° semi-visible IR LED x 21EA
Visible distance	Up to 30M
IR MTBF	20,000 hours
Power source	24VAC (Tolerance:AC20V~29V) More than 500mA
Operation current	24VAC / 210mA(LED ON), 90mA(LED OFF)
Lens Standard	4mm~9mm Varifocal DC iris (Dual filter)
Option	2.6mm~6mm Varifocal DC iris (Dual filter) (S40370)
Operating Temp.	-10° C~ + 50° C
Humidity	Within 90% RH
Output Terminal	4 Feet DIY cable with BNC-Female for Video, terminal block for Power
Measurement(mm)	127x127x95(H)
Weight(Approx.g)	1000

* All VF/VFA Lens are with removable filter built-in

* Specifications are subject to change for improvement without prior not

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