

## 1/2" B/W CCD High-resolution IR Response Camera

# VCB-3574IR

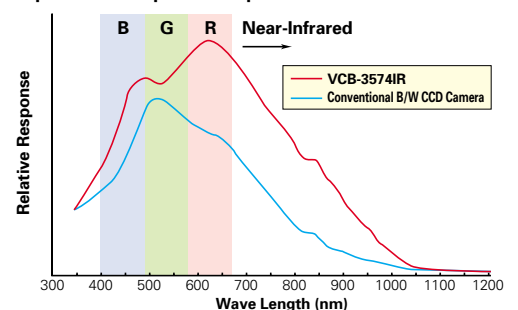
EIA

- High performance infrared response
- Minimum subject illumination of 0.02 Lux with F1.2 lens
- 570 line horizontal resolution for high resolution monitoring
- Power supply 24 V AC type



## IR Response

Optical field response comparison with conventional CCD



# VCB-3574IR

## Main Features

### Very high sensitivity CCD

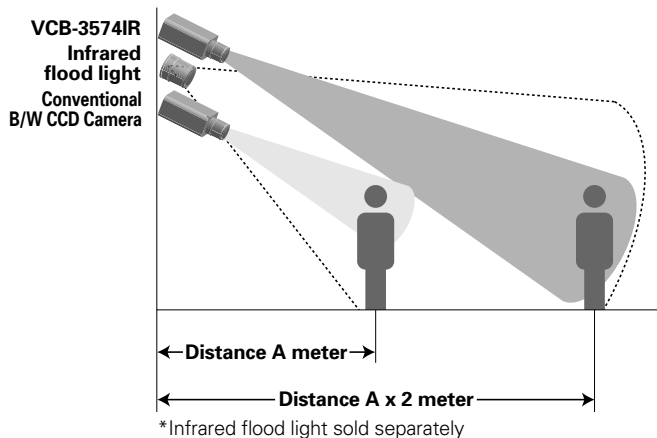
#### Minimum subject illumination 0.02 Lux

With newly developed very high sensitivity CCD, at night or in a dark place with barely any lighting (minimum subject illumination of 0.02 Lux with F1.2 lens), clear images are possible. In the IR range, with 880 nm wavelength, sensitivity is increased by 10db over conventional CCD cameras\*, for truly superior IR sensitivity. (\*Sanyo conventional cameras)

### Dark field IR monitoring - catches the subject at twice the range

With very high sensitivity CCD, when monitoring at night with dark field IR, the subject is captured clearly at twice the range of conventional B/W cameras. Impossible with conventional B/W cameras, wide range nighttime monitoring with dark field IR has become a reality.

### High performance infrared response



### 570 line horizontal resolution for high resolution monitoring

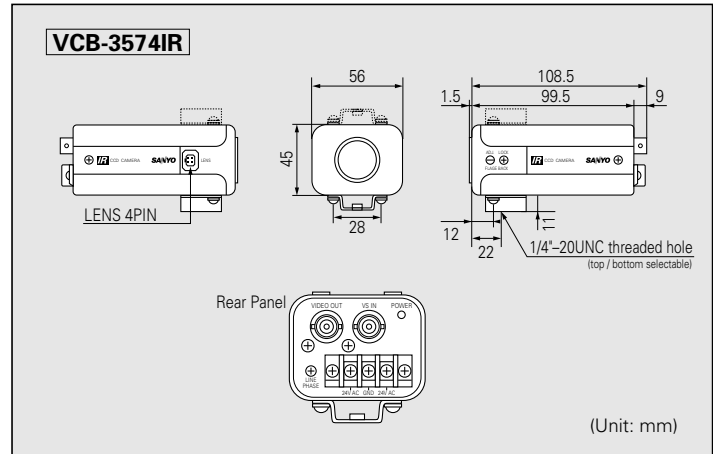
With 570 line horizontal resolution, even for nighttime monitoring, images quality is high with crisp detail.

- 1/2" CCD image sensor with approx. 410,000 picture elements
- Center-zone light measuring backlight compensation
- Electronic iris (indoor use)
- External sync. / Line lock automatic switching
- 24 V AC operation (electrically isolated)

### A wide range of locations for nighttime monitoring

- Factories and their grounds
- Truck terminals and freight yards
- Car parks
- Hospitals and homes for the elderly

## Dimensions



## Specifications

MODEL	VCB-3574IR
<b>Scanning system</b>	EIA standard 525 lines, 30 frames/sec.
<b>Image sensor</b>	1/2" (approx. 6.4 mm x 4.8 mm) interline transfer method CCD
<b>Picture elements</b>	Total: 811(H) x 508(V), Effective: 768(H) x 494(V)
<b>Horizontal resolution</b>	570 TV lines
<b>Minimum illumination</b>	Approx. 0.02 Lux (F1.2)
<b>Video output level</b>	1.0 V (p-p) (75 ohms, composite)
<b>Video S/N ratio</b>	More than 50 dB
<b>Backlight compensation</b>	Center-zone light measuring system (activated when auto iris lens used), ON / OFF — Slide SW (side)
<b>Gain control</b>	Automatic
<b>Electronic shutter</b>	—
<b>Light control</b>	Optional auto iris lens / Electronic iris (indoor use)
<b>Lens mount</b>	CS / C mount (C mount: using C-mount adaptor supplied)
<b>Flange back</b>	12.5 mm ±0.5 mm adjustment
<b>Auto iris lens</b>	DC / VIDEO — Slide SW (side)
<b>Auto iris output</b>	DC: Drive coil (+, -), Brake (Damp) coil (+, -) VIDEO: +12 V DC (Max. 50 mA), Video signal (hi-Z), GND
<b>Lens iris level</b>	LEVEL: L-H — VR (side)
<b>Electronic iris</b>	ON / OFF — Slide SW (side)
<b>Electronic iris range</b>	0.02 Lux to 10,000 Lux (F1.2)
<b>Synchronizing system</b>	External sync. / Line lock (automatic switching)
<b>V phase adjustment</b>	LINE PHASE — VR (rear)
<b>Sockets</b>	<b>Video signal</b> VIDEO OUT — BNC (rear) <b>External sync.</b> VS IN — BNC (rear) <b>Auto iris lens</b> LENS — 4-pin (side) <b>Power supply</b> 24 V AC, GND — 3-pin terminal (rear)
<b>Environmental conditions</b>	<b>Operating</b> Temperature: -10°C to 50°C [14°F to 122°F], Humidity: within 90% RH <b>Storage</b> Temperature: -20°C to 70°C [-4°F to 158°F], Humidity: within 70% RH
<b>Power requirement</b>	24 V AC (±4 V), 60 Hz
<b>Power consumption (approx.)</b>	3.1 W
<b>Camera mount</b>	1/4" - 20 UNC (top / bottom selectable)
<b>Dimensions (approx.)</b>	56(W) x 45(H) x 99.5(D) mm [2.2(W) x 1.77(H) x 3.92(D) in.] (w/o camera & lens mounts)
<b>Weight (approx.)</b>	330 g [11.6 oz.] (w/o lens)

\*Specifications subject to change without notice.

**\*Caution:** please consult the instruction manual to ensure safe and proper operation of the product.

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