SIEMENS

1/3" CCD camera combined with a 12m professional PIR detector

VCD320-12
VCD120-12

- ● PIR detection range of 12m with look down zone and black mirror technology
- ● High quality 1/3" colour or monochrome CCD camera
- ● Pet immunity up to 10kg (with pet clip)
- ● Wall-mount bracket included for easy installation

The discrete high quality camera with a working PIR is suitable for installations requiring CCTV surveillance and reliable motion detection. The angle of view of the PIR is the same as the camera – ideal for remote transmission systems.

- • **Professional PIR**
  The 12m passive infrared detector includes a patented 52 zone black mirror with triplex optics and ASIC signal analysis, ensuring high detection integrity by reliable differentiation between intruders and disturbance signals, reducing false alarms. The use of high quality components and a self-monitoring circuit ensures dependable operation.
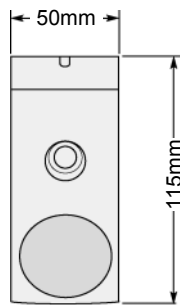
- • **Colour PIRCAM**
  The VCD320-12 has auto-white balance control and automatic gain control, ensuring good images in normal lighting conditions. Automatic back light compensation (BLC) and electronic shutter (AES) enable the lens to automatically adjust to changing light levels, enhancing viewing quality.
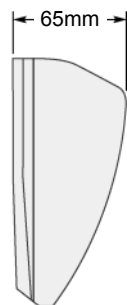
- • **Mono PIRCAM**
  The VCD120-12 includes automatic gain control (AGC) to ensure good images in normal lighting conditions.
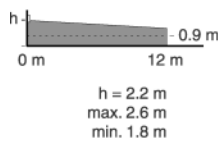
Fire & Security Products
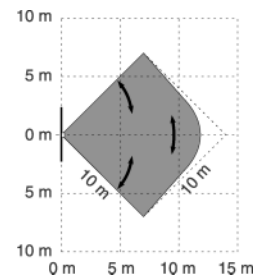
Dimensions and controls

Front view

Side View

h = 2.2 m
max. 2.6 m
min. 1.8 m

Height Coverage

Beam spread

Technical data

	VCD320-12	VCD120-12
Camera module	**1/3" CCD colour camera**	**1/3" CCD monochrome camera**
• Pixels	537 (H) x 597 (V)	542 (H) x 592 (V)
• Scanning System	2:1 interlace, PAL	2:1 interlace, CCIR
• Video Output	1Vpp composite (75 Ohm)	1Vpp composite (75 Ohm)
• Horizontal Resolution	380 TV Lines	420 TV Lines
• Gamma correction	0.45	0.45
• Min. Illumination	1.2 Lux (F2.0) at 50IRE	0.8 Lux (F2.0) at 50IRE
• Signal/noise Ratio	52 dB (Min) / 60 dB (Typ) (AGC off)	> 45 dB
• Lens angle horizontal	90 ° (3.0 mm, F2.0)	90 ° (3.0 mm, F2.0)
• Gain Control (AGC)	Automatic	Automatic
• White Balance	Automatic (3200 to 10000 °K)	
• Electronic Shutter (AES)	Automatic 1/50 to 1/120000 sec.	Automatic 1/50 to 1/100000 sec.
• Back-light Compensation (BLC)	Automatic	
• Iris Control	Auto-electronic shutter	
PIR-Detector		
• Detection Range	12 m	12 m
• Alarm Output	Programmable NC or NO	Programmable NC or NO
- semiconductor relays	30 V$_{DC}$ / 100 mA (ohmic load)	30 V$_{DC}$ / 100 mA (ohmic load)
- series resistance	< 45 Ω	< 45 Ω
- alarm holding time	2 to 3 secs	2 to 3 secs
• Sabotage contact	30 V$_{DC}$ / 100 mA (ohmic load)	30 V$_{DC}$ / 100 mA (ohmic load)
• Range		
- wide-angle black-mirror	12 m, 0.2 to 3 m/s	12 m, 0.2 to 3 m/s
- pet-immunity	max. 10 kg (with pet clip)	max. 10 kg (with pet clip)
- mounting height (typically)	2.2 m	2.2 m
Common		
• Power supply	12 V$_{DC}$ ±1 V, 1.3 W	12 V$_{DC}$ ±1 V, 1.3 W
• Operation temperature	-10 to +50 °C	-10 to +50 °C
• Accessory included	IRUM20 wall-mount bracket	IRUM20 wall-mount bracket

Details for ordering

Type	Part no.	Designation	Weight
VCD320-12	2GF1182-8EA	1/3" CCD PAL Camera 380TVL with PIR 12VDC	0.070 kg
VCD120-12	2GF1082-8EA	1/3" CCD CCIR Camera 420TVL with PIR 12VDC	0.070 kg
IRMC104	2GF1182-8EC	Pet clip (set of 4)	0.010 kg
IRUM30	2GF1182-8EB	Swivel ceiling-mount bracket	0.072 kg

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