



- High-resolution colour and b/w cameras with high-intensity varifocal lens
- DIP switches for (differs by model)
 - Counter light compensation
 - Automatic intensification control
 - Flicker reduction
 - Synchronisation mode
- Voltage-controlled shutter
- Fastening screws for focus and zoom
- Mains synchronisation with phase adjustment
- Compatible with commercially available filters
- Optional mount ZCA-LB101, concealed wiring

Proven optical and camera technology

The **SPOT-CAM** series combines the proven and the innovative as an advance on the successful LC camera series. All models have a 1/4" CCD and a powerful digital signal processor. This offers counter light compensation (depending on model) and flicker reduction or automatic intensification control. These functions can be added simply by using the DIP switches.

The top-quality 4× varifocal lens covers focuses from 2.8 to 10.0 mm. Fastening screws ensure retention of all changes made to focus and intensification.

Innovative Design

The **SPOT-CAM** series appeals with its ultra-modern exterior. The well designed housing simultaneously reduces the risk of dazzle by direct sunlight.

Optimum installation of filters

The housing window can be replaced with numerous commercially available filters with a diameter of 52 mm for special surveillance activities. In this way ND filter or polarisation filters frequently produce more effective video surveillance.

Concealed cables

The optional bracket ZCA-LB101 permits a wealth of mounting possibilities for the particularly light 12V and 24V models. The mains and video cables are concealed on ceilings and walls. The matching rear cover for the camera is included in the scope of delivery.



Technical specifications

	ZC-L1210CHA, ZC-L1210CHAE	ZC-L1210PHA, ZC-L1210PHAE
Video system	CCIR	PAL
Video output	1.0 Vp-p, 75 Ohm	1.0 Vp-p, 75 Ohm
Operating voltage	12 VDC/24 VAC \pm 10%, 50 Hz \pm 1 Hz (ZC-L1210CHA, ZC-L1210PHA) 230 VAC \pm 10%, 50 Hz \pm 1 Hz (ZC-L1210CHAE, ZC-L1210PHAE)	
Power consumption (12 VDC)	1.6 W (ZC-L1210CHA)	2.0 W (ZC-L1210PHA)
Power consumption (24 VAC)	1.8 W, 150 mA (ZC-L1210CHA) 2.3 W, 16 mA (ZC-L1210CHAE)	2.1 W, 180 mA (ZC-L1210PHA) 3.0 W, 27 mA (ZC-L1210PHAE)
Picture recorder	1/4" IT CCD, 752 \times 582 pixels	1/4" IT CCD, 752 \times 582 pixels
Horizontal resolution	580 lines	480 lines
Scanning system	2:1 Interlace	2:1 Interlace
Scanning frequency (H/V)	15.625 kHz/50.0 Hz	15.625 kHz/50.0 Hz
Lens	Vario 2.8 ... 10.0 mm	Vario 2.8 ... 10.0 mm
Light sensitivity (50 IRE)	0.48 lux	1.5 lux
Light sensitivity (30 IRE)	0.24 lux	0.75 lux
Shutter control	voltage	voltage
Maximum shutter opening	1:1.2	1:1.2
Flicker reduction	–	automatic correction
Electronic closure	1/50 s	1/50 s (flicker reduction off) 1/120 s (flicker reduction on)
Signal to noise ratio	> 50 dB (min. distortion)	> 50 dB (min. distortion)
Automatic intensification	+22 dB max.	–
Gamma characteristics	0.45	0.45
Synchronisation	internal/mains phase	internal/mains phase
Vision angle (D/H/V)	105.8°~27°/78.2°~21.6°/55.8°~16.2°	105.8°~27°/78.2°~21.6°/55.8°~16.2°
Operating environment	–10 ... +50 °C (< 85% rel. humidity, non-condensing)	
Storage conditions	–20 ... +60 °C (< 95% rel. humidity, non-condensing)	
Weight	approx. 200 g (ZC-L1210CHA, ZC-L1210PHA) approx. 550 g (ZC-L1210CHAE, ZC-L1210PHAE)	
Dimensions (D \times L)	61 \times 122 mm (ZC-L1210CHA, ZC-L1210PHA) 61 \times 173 mm (ZC-L1210CHAE, ZC-L1210PHAE)	

Order numbers

ZC-L1210CHA	High-resolution b/w camera, 12 VDC/24 VAC
ZC-L1210CHAE	High-resolution b/w camera, 230 VAC
ZC-L1210PHA	High-resolution colour camera, 12 VDC/24 VAC
ZC-L1210PHAE	High-resolution colour camera, 230 VAC
ZCA-LB101	Wall and ceiling mount, concealed wiring