

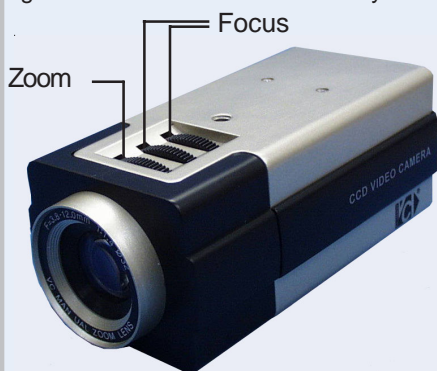
## Digital 1/3" Colour camera with built-in manual zoom (3,5-8mm)

Art. No. 13500 Model name VC-Z3C-38012 Version 12V DC

The camera is designed for any purpose in private homes, for industrial use or for integration into a security- or building management system.

The camera is easy to install and to operate. In reference to the local circumstances at the camera site the integrated manual zoom lens can be adjusted in the horizontal angle between 34° - 68°.

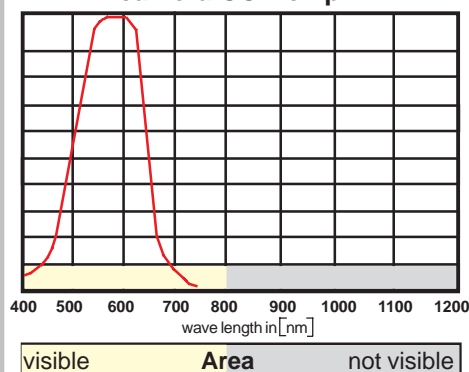
The wide range of the auto shutter function provides a perfect performance from low light to bright sunshine in outside areas. The auto backlight compensation (BLC) allows a perfect picture performance even under head light conditions within the scenery.



VDE CE EMC



Spectral sensitivity of camera CCD-chip



### Technical datas

Horizontal resolution:	380 lines (542 x 582 pixel)
Pick-up device:	1/3" Sony ILT-Super-HAD-CCD-Chip
Minimum illumination:	1,0 Lux at F 1,4
Spectral sensitivity:	380 bis 800 nm wave length
Advanced digital white balance:	AWB
Modulation depth:	80%
Enhancer: vertical and horizontal:	Digital aperture improvement
Gamma-correction:	0,45
Knee function:	For increasing contrast
Signal-to-noise ratio:	> 58 dB
Super-AGC / AGC / MGC :	Max. 36 dB / 72 dB
Synchronisation:	Internal
Automatic electrical shutter:	1/50 - 1/100000 sec.
Intelligent backlight compensation:	Digital
Smeareffekt:	0,004%
LAG:	Zero
Scanning system:	PAL, 625 lines, 50 Hz
Video output:	CVBS, 1 Vpp
Power source / consumption:	12 V DC / 4 W
Environmental temperature:	-10 to +50 °C
Environmental humidity:	Up to 95%
Electrical safety:	EN 60065+60950 VDE / UL
MTBF:	80.000 hours
EMC:	EN 50081+82, CE-certification
Maximum shock:	80 G
Maximum vibration:	8 G
Mounting screw holes:	Top and bottom (1/4" thread)
Manual zoom:	3,5-8mm / F 1,4
Built-in electret microphone:	0 dB output
Connections:	
12 V DC / 180mA:	DC-socket
video out:	BNC-socket
audio out:	RCA-socket
Dimensions:	L: 135mm / B: 65mm / H: 53mm
Weight:	220g
Necessary accessories:	Stabilized power supply (Art.no. 20114) Camera mount wall/ceiling (Art.no. 20187)

The range of the built-in zoom provides a horizontal angle view between 34° to 68°. Therefore the camera can be used for areas as close as 0,5m and as far as 80m.

variable		variable	Distance between camera and subject								
focal length		angle	1m	2m	3m	4m	5m	10m	30m	50m	80m
			wideness of picture view according to the lens angle (m)								
range	3,5mm	68°	1,2	2,4	3,6	4,8	6,0	12	36	60	96
	4,5mm	56°	1	2	3	4	5	10	30	50	80
	5,0mm	50°	0,85	1,7	2,5	3,4	4,2	8,5	25	42	68
	8,0mm	34°	0,55	1,1	1,7	2,2	2,8	5,5	17	28	44
	10mm	28°	0,4	0,8	1,2	1,6	2	4	12	20	32

2,5 m is the maximum wideness in order to recognize a strange face

4,5 m is the maximum wideness in order to recognize a car plate

25 m is the maximum wideness in order to recognize subjects at least 1m wide