



Outstanding product advantages

The 5000 series is available with a host of varifocal lenses. They range from a focal length of 5 - 50 mm, with which details of distant objects can be clearly identified, to a wide-angle lens with a focal length of 2.9 - 8.2 mm, which is particularly suitable for gaining a good overview in a large surveillance area.

Efficient technology

The 5000 cameras are equipped with a sensitive 1/3" CCD light sensor which produces a remarkable resolution of at least 540 lines. Moreover, the varifocal lenses of the mechanical day/night versions ZC-DN are infrared-corrected, which means that no blur (focus shift) occurs even with the use of IR light. And clear, sharp images are also produced at 0.03 and 0.07 lux of visible light.

Other special features

Fitted with an additional video connection, a service monitor can be connected to the cameras using the service cable supplied. It is therefore possible to adjust both the angle of view and the sharpness of the image without having to use the cable already installed.

Advantages for the installation company

The 5000 series offers a host of alternative mounting possibilities. Wall, ceiling, pitched roof and flush mounting is already possible just with the cameras. Moreover, the cameras can also be mounted on a wall bracket or "pendant-mounted" using the wide range of optional accessories. Furthermore, installation is greatly facilitated by the fact that the cameras can be easily moved into the desired setting with their 3-axis system. Then all that is needed is a screwdriver to fix them in this position.



ZC5-WM1

Accessories for indoor installation

Adapter for pendant mounting

A water pipe with a 1" thread can be screw onto the adapter.

Wall mount for pendant mounting

The wall mount consists of the adapter for pendant mounting and an appropriate wall bracket.

Passive twisted-pair transmitter for installation in the housing

The adapter permits transmission of the video signal through twisted cables (e.g. CAT5). With a passive receiver the transmission distance is up to 225 m, if an active receiver is used up to 1,000 m. Moreover, interference to the video signal can be avoided through the use of twisted-pair technology.

Dummy dome camera comparable with the 5000 indoor dome series

The dummy has a smoked cover. As a result, it cannot be seen from the outside that it is an empty housing without a functioning camera.

Accessories for outdoor installation

Adapters and wall mounts for pendant mounting and a passive twisted-pair transmitter for installation in the camera housing are also available for outdoor applications. There are also the following accessories for outdoor installation:

Vandalism-proof outdoor housing

With this housing the 5000 series corresponds to protection class IP66.

Smoked cover for the vandalism-proof housing

As the alignment of the camera cannot be seen with a smoked cover, this add-on accessory permits more discreet surveillance.

24 VAC heater for installation in the housing

Fitted with this heater, the 5000 cameras are also reliably equipped for use in extreme winter temperatures.

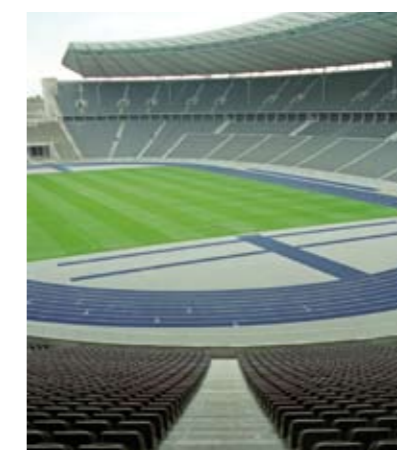


ZC5-WM2



The performance features at a glance

- HQ1 image resolution of 540 lines
- Day/night toggling (manual or electronic)
- Large selection of CS-mount lenses
- Numerous mounting options
- Indoor and outdoor application



Wide-ranging fields of application

Thanks to their high light sensitivity of up to 0.83 lux and an F-stop of 1.0, the ZC-D5000 series is also excellently suited for video surveillance in difficult lighting conditions. The rounded dome housing has a stylish appearance but is inconspicuous at the same time. These cameras are therefore ideal for use indoors. However, the series can be optimally upgraded for outdoor applications. A housing with the protection class IP66 is optionally available as an accessory which protects the cameras against external influences such as the weather and vandalism.

Dome camera 5000 series



Technical specifications	ZC-D5029PHA	ZC-DN5029PHA
Video system	PAL	PAL
Scanning system	2:1 line jump	2:1 line jump
Image sensor	1/3" IT CCD	1/3" IT CCD
Scanning frequency	15,625 kHz/50 Hz	15,625 kHz/50 Hz
Effective pixels (H x V)	752 x 582	752 x 582
Video output	1 Vp-p, 75 Ohm	1 Vp-p, 75 Ohm
Horizontal resolution TVL	>540 lines	>540 lines
Sync. range	50 Hz +/- 1 Hz	50 Hz +/- 1 Hz
Min. illumination	1.25 lux (50 IRE D-D/N off) 0.83 lux (50 IRE D-D/N on)	0.07 lux (50 IRE) 0.03 lux (30 IRE)
Focal length	2.9 mm – 8.2 mm	2.9 mm – 8.2 mm
Angle of view:	Horizontal Vertical Diagonal	98.3° – 35.2° 70.7° – 26.3° 133.9° – 44.2°
Iris	F 1.0	F 1.0
M.O.D. (minimum object distance)	0.5 m	0.5 m
Aspherical lens	Yes	Yes
IR-corrected	–	Yes
Iris control	DC	DC
Backlight compensation	Yes, can be activated	Yes, can be activated
Day/night toggling	Yes, mechanical	Yes, mechanical
S/N ratio	>50 dB	>50 dB
Gamma characteristic	0.45	0.45
White balance	ATW	ATW/AWB
Automatic electronic shutter (AES)	1/50 sec., 1/120 sec.	1/50 sec., 1/120 sec.
Manual electronic shutter	Ja, schaltbar	Yes, can be activated
Synchronisation	Int./L.L.	Int./L.L.
Power supply	12 VDC/24 VAC	12 VDC/24 VAC
Power consumption	3 W (DC)/4,2 W (AC), 250 mA (AC)	3 W (DC)/4,2 W (AC), 250 mA (AC)
Operating temperature and humidity	-10 °C – +50 °C, 85 % RH max.	-10 °C – +50 °C, 85 % RH max.
Storage temperature and humidity	-20 °C – +60 °C, 95 % RH max.	-20 °C – +60 °C, 95 % RH max.
Types of mounting	Surface-mounted; flush-mounted	Surface-mounted; flush-mounted
Inputs/outputs	1x video out BNC, 1x video out adapter for service, screw terminals for the mains voltage –	1x video out BNC, 1x video out adapter for service, screw terminals for the mains voltage Screw terminals for the external D/N toggling
Switches	FL/on; BLC/on; Int./L.L.; D-D/N	FL/an; BLC/an; Int./L.L.; ATW/AWB
Potentiometer	DC-level, phase	DC-level, phase
Special features	Multi-mounting option: installation ring, surface-mount- ed adapter; drilling template; lens can be set in three axes	Multi-mounting option: installation ring, surface-mount- ed adapter; drilling template; lens can be set in three axes
Weight (net)	470 g	470 g
Dimensions (Ø x H)	144 mm x 110 mm	144 mm x 110 mm

ZC-D5212PHA	ZC-DN5212PHA	ZC-D5550PHA	ZC-DN5840PHA
PAL	PAL	PAL	PAL
2:1 line jump	2:1 line jump	2:1 line jump	2:1 line jump
1/3" IT CCD	1/3" IT CCD	1/3" IT CCD	1/3" IT CCD
15,625 kHz/50 Hz	15,625 kHz/50 Hz	15,625 kHz/50 Hz	15,625 kHz/50 Hz
752 x 582	752 x 582	752 x 582	752 x 582
1 Vp-p, 75 Ohm	1 Vp-p, 75 Ohm	1 Vp-p, 75 Ohm	1 Vp-p, 75 Ohm
>540 lines	>540 lines	>540 lines	>540 lines
50 Hz +/- 1 Hz	50 Hz +/- 1 Hz	50 Hz +/- 1 Hz	50 Hz +/- 1 Hz
1.41 lux (50 IRE D-D/N off)	0.11 lux (50 IRE)	1.41 lux (50 IRE D-D/N aus)	0.11 lux (50 IRE)
0.94 lux (50 IRE D-D/N on)	0.05 lux (30 IRE)	0.94 lux (50 IRE D-D/N an)	0.05 lux (30 IRE)
2.8 mm – 12.0 mm	2.8 mm – 12.0 mm	5.0 mm – 50.0 mm	8.5 mm – 40 mm
102.2° – 23.7° 74.2° – 17.8° 125.6° – 29.7°	98.2° – 23.8° 73.6° – 17.8° 121.8° – 29.6°	51.8° – 5.6° 39.2° – 4.3° 64.0° – 6.9°	33.5° – 7.1° 24.4° – 5.3° 43.9° – 8.9°
F 1.3	F 1.3	F 1.3	F 1.3
0.3 m	0.3 m	0.8 m	0.8 m
Yes	Yes	Yes	Yes
–	Yes	–	Yes
DC	DC	DC	DC
Yes, can be activated	Yes, can be activated	Yes, can be activated	Yes, can be activated
Yes, mechanical	Yes, mechanical	Yes, electronic	Yes, mechanical
>50 dB	>50 dB	>50 dB	>50 dB
0.45	0.45	0,45	0,45
ATW	ATW/AWB	ATW	ATW/AWB
1/50 sec., 1/120 sec.	1/50 sec., 1/120 sec.	1/50 sec., 1/120 sec.	1/50 sec., 1/120 sec.
Yes, can be activated	Yes, can be activated	Yes, can be activated	Yes, can be activated
Int./L.L.	Int./L.L.	Int./L.L.	Int./L.L.
12 VDC/24 VAC	12 VDC/24 VAC	12 VDC/24 VAC	12 VDC/24 VAC
3 W (DC)/4,2 W (AC), 250 mA (AC)	3 W (DC)/4,2 W (AC), 250 mA (AC)	3 W (DC)/4,2 W (AC), 250 mA (AC)	3 W (DC)/4,2 W (AC), 250 mA (AC)
-10 °C – +50 °C, 85 % RH max.	-10 °C – +50 °C, 85 % RH max.	-10 °C – +50 °C, 85 % RH max.	-10 °C – +50 °C, 85 % RH max.
-20 °C – +60 °C, 95 % RH max.	-20 °C – +60 °C, 95 % RH max.	-35 °C – +60 °C, 95 % RH max.	-20 °C – +60 °C, 95 % RH max.
Surface-mounted; flush-mounted	Surface-mounted; flush-mounted	Surface-mounted; flush-mounted	Surface-mounted; flush-mounted
1x video out BNC, 1x video out adapter for service, screw terminals for the mains voltage –	1x video out BNC, 1x video out adapter for service, screw terminals for the mains voltage Screw terminals for the external D/N toggling	1x video out BNC, 1x video out adapter for service, screw terminals for the mains voltage –	1x video out BNC, 1x video out adapter for service, screw terminals for the mains voltage Screw terminals for the external D/N toggling
FL/on; BLC/on; Int./L.L.; Autoiris/open; D-D/N	FL/on; BLC/on; Int./L.L.; Autoiris/open; ATW/AWB	FL/on; BLC/on; Int./L.L.; Autoiris/open; D-D/N	FL/on; BLC/on; Int./L.L.; Autoiris/open; ATW/AWB
DC-level, phase	DC-level, phase	DC-level, phase	DC-level, phase
Multi-mounting option: installation ring, surface-mount- ed adapter; drilling template; lens can be set in three axes	Multi-mounting option: installation ring, surface-mount- ed adapter; drilling template; lens can be set in three axes	Multi-mounting option: installation ring, surface-mount- ed adapter; drilling template; lens can be set in three axes	Multi-mounting option: installation ring, surface-mount- ed adapter; drilling template; lens can be set in three axes
490 g	490 g	560 g	550 g
144 mm x 110 mm	144 mm x 110 mm	144 mm x 110 mm	144 mm x 110 mm

Order data	Product description
ZC-D5029PHA	Colour camera with varifocal lens 2.9 – 8.2 mm, DC iris, 1/3" CCD, 540 lines, 1.25 lux (F 1.0), electronic day/night toggling, 3-axis module, 12 VDC/24 VAC
ZC-D5212PHA	Colour camera with varifocal lens 2.8 – 12.0 mm, DC iris, 1/3" CCD, 540 lines, 1.41 lux (F 1.3), electronic day/night toggling, 3-axis module, 12 VDC/24 VAC
ZC-D5550PHA	Colour camera with varifocal lens 5.0 – 50.0 mm, DC iris, 1/3" CCD, 540 lines, 1.41 lux (F 1.3), electronic day/night toggling, 3-axis module, 12 VDC/24 VAC
ZN-DN5029PHA	Day/night camera with varifocal lens 2.9 – 8.2 mm, DC iris, 1/3" CCD, 540 lines, b/w 0.07 lux (F 1.0), 3-axis module, 12 VDC/24 VAC
ZC-DN5212PHA	Day/night camera with varifocal lens 2.8 – 12.0 mm, DC iris, 1/3" CCD, 540 lines, b/w 0.11 lux (F 1.3), 3-axis module, 12 VDC/24 VAC
ZC-DN5840PHA	Day/night camera with varifocal lens 8.5 – 40.0 mm, DC iris, 1/3" CCD, 540 lines, b/w 0.11 lux (F 1.3), 3-axis module, 12 VDC/24 VAC
ZC5-PM1	Adapter for pendant mounting
ZC5-WM1	Wall mount for pendant mounting, consisting of ZC5-PM1 and wall bracket
ZC-OH5	Vandalism-proof housing for outdoor installation (IP66)
ZC5-PM2	Adapter for pendant mounting
ZC5-WM2	Wall bracket for pendant mounting incl. ZC5-PM2
ZC5-NVT	Passive twisted-pair transmitter for installation in the camera housing
ZC5-HTR	24 VAC heater for installation in the housing
ZCA-DCS50	Smoked cover for the ZC-OH5
PMA1	Adapter for pole mounting



Cameras

CBC (Deutschland) GmbH
Hansaallee 191
D-40549 Düsseldorf
T: +49-(0)211 53 06 70
F: +49-(0)211 53 06 71 80
info@cbc-de.com
www.cbc-de.com

CBC (Poland) Sp.z.o.o
Oddział w Warszawie
Ul. G. Morcinka 5, Paw 6
PL-01496 Warszawa
T: +48-(0)22 6 38 44 40
F: +48-(0)22 6 38 45 41
info@cbcpoland.pl
www.cbcpoland.pl

CBC Russia Moscow Rep. office
7, Bolshoy Strochenovskiy lane
5th floor
RU-115054 Moscow
T: +7-495 7 10 88 83
F: +7-495 7 10 88 84
info@cbc.ru
www.cbc.ru

CBC (Europe) Ltd.
7/8 Garrick Industrial Centre, Irving Way
UK-NW9 6AQ London
T: +44-(0)20 87 32 33 10
F: +44-(0)20 82 02 33 87
info@cbcuk.com
www.cbceurope.com

CBC (Europe) Ltd. Ufficio di Milano
Via E. Majorana, 2
I-20054 Nova Milanese
T: +39-0362 36 50 79
F: +39-0362 4 00 12
info@cbceurope.it
www.cbceurope.it