



DATA SHEET

ZC-D5000 Series

Super High Resolution Col & Col/Mono Domes



The ZC-D5000 Dome camera has a high performance CCD image sensor combined with the new DSP chip delivering a super high resolution of 540TVL. The dome range is available as colour or as Day & Night. The domes come with low voltage input, allowing either 12Vdc or 24 Vac. Three lens options are available.

Further setup can be achieved by selecting the switches on the camera body. These include backlight compensation, AGC on/off, auto white balance/auto white tracing (colour only). The camera has a 3 axis gimble for adjusting the camera position, allowing the camera to be ceiling mounted or wall mounted.

Key Features

- 1/3" IT CCD
- Super High Resolution
- Integrated Varifocal lens
- Impressive colour reproduction
- Digital Signal Processing
- Colour or Day/Night version available
- Line lock with phase adjustment
- Backlight compensation
- Automatic gain control
- Easy adjustment with the unique 3 axis gimble
- 3 Computer CS mount varifocal lens options
- Single model for surface and flush mount
- High Resolution of 540 TVL

Ordering Information

COLOUR OPTION:

ZC-D5029PHA	Colour Dome with varifocal 2.9 - 8.2mm lens
ZC-D5212PHA	Colour Dome with varifocal 2.8 - 12.0mm lens
ZC-D5550PHA	Colour Dome with varifocal 5.0 - 50.0mm lens

DAY/NIGHT OPTION:

ZC-DN5029PHA	Day/Night Dome with varifocal 2.9 - 8.2mm lens
ZC-DN5212PHA	Day/Night Dome with varifocal 2.8 - 12.0mm lens
ZC-DN5840PHA	Day/Night Dome with varifocal 8.5 - 40.0mm lens





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Technical Specification

MODEL	ZC-D5029PHA	ZC-D5212PHA	ZC-D5550PHA
TV System	Pal	Pal	Pal
Focal Length	2.9 - 8.2mm	2.8 - 12.0mm	5.0- 50.0mm
Scanning system	2:1 line jump	2:1 line jump	2:1 line jump
Scanning frequency	15,625 kHz/50 Hz	15,625 kHz/50 Hz	15,625 kHz/50 Hz
Effective Pixels (H x V)	752 x 582	752 x 582	752 x 582
Video output	1 Vp-p, 75 Ohm	1 Vp-p, 75 Ohm	1 Vp-p, 75 Ohm
Sync. zone	50 Hz +/- 1 Hz	50 Hz +/- 1 Hz	50 Hz +/- 1 Hz
Minimum Illumination	0.83 lux	0.94 lux	0.94 lux
Angle of View: horizontal	98.3° ~ 35.2°	102.2° ~ 23.7°	51.8° ~ 5.6°
Aperture	F1.0	F1.3	F1.3
M.O.D (Minimum object distance)	0.5m	0.3m	0.8m
Backlight compensation	Yes, to be connected	Yes, to be connected	Yes, to be connected
S/N Ratio	> 50dB	> 50dB	> 50dB
Gamma Characteristics	0.45	0.45	0.45
White balance	ATW	ATW	ATW
Automatic Shutter (AES)	1/50s, 1/120s	1/50s, 1/120s	1/50s, 1/120s
Synchronisation	Int./L.L.	Int./L.L.	Int./L.L.
Power Supply	12 V DC/ 24 V AC	12 V DC/ 24 V AC	12 V DC/ 24 V AC
Power Consumption	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)
Operating environment & Humidity	-10°C ~+50°C, 85 % RH max	-10°C ~+50°C, 85 % RH max	-10°C ~+50°C, 85 % RH max
Inputs/Outputs	1 x video out BNC 1 x video out pin for service Screw terminals for supply voltage	1 x video out BNC 1 x video out pin for service Screw terminals for supply voltage	1 x video out BNC 1 x video out pin for service Screw terminals for supply voltage
Switches	FL/on; BLC/on; Int./L.L; D-D/N	FL/on; BLC/on; Int./L.L : Autoiris/open; D-D/N	FL/on; BLC/on; Int./L.L : Autoiris/open; D-D/N
Dimensions	144(D)mm x 110 (H)mm	144(D)mm x 110 (H)mm	144(D)mm x 110 (H)mm
Weight (approximate)	470g	490g	560g

Super High Resolution Day/Night Domes

MODEL	ZC-DN5029PHA	ZC-DN5212PHA	ZC-DN5840PHA
TV System	Pal	Pal	Pal
Focal Length	2.9 - 8.2mm	2.8 - 12.0mm	8.5- 40.0mm
Scanning system	2:1 line jump	2:1 line jump	2:1 line jump
Scanning frequency	15,625 kHz/50 Hz	15,625 kHz/50 Hz	15,625 kHz/50 Hz
Effective Pixels (H x V)	752 x 582	752 x 582	752 x 582
Video output	1 Vp-p, 75 Ohm	1 Vp-p, 75 Ohm	1 Vp-p, 75 Ohm
Sync. zone	50 Hz +/- 1 Hz	50 Hz +/- 1 Hz	50 Hz +/- 1 Hz
Minimum Illumination	0.07 lux (50 IRE)	0.11 lux (50 IRE)	0.11 lux (50 IRE)
Angle of View: horizontal	95° ~ 35.6°	98.2° ~ 23.8°	33.5° ~ 7.1°
Aperture	F1.0	F1.3	F1.3
M.O.D (Minimum object distance)	0.5m	0.3m	0.8m
Backlight compensation	Yes	Yes	Yes
Day/Night toggling	Yes	Yes	Yes
S/N Ratio	> 50dB	> 50dB	> 50dB
Gamma Characteristics	0.45	0.45	0.45
White balance	ATW/AWB	ATW/AWB	ATW/AWB
Automatic Shutter (AES)	1/50s, 1/120s	1/50s, 1/120s	1/50s, 1/120s
Synchronisation	Int./L.L.	Int./L.L.	Int./L.L.
Power Supply	12 V DC/ 24 V AC	12 V DC/ 24 V AC	12 V DC/ 24 V AC
Power Consumption	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)
Operating environment & Humidity	-10°C ~+50°C, 85 % RH max	-10°C ~+50°C, 85 % RH max	-10°C ~+50°C, 85 % RH max
Inputs/Outputs	1 x video out BNC 1 x video out pin for service Screw terminals for supply voltage Screw terminals for ext. D/N toggling	1 x video out BNC 1 x video out pin for service Screw terminals for supply voltage Screw terminals for ext. D/N toggling	1 x video out BNC 1 x video out pin for service Screw terminals for supply voltage Screw terminals for ext. D/N toggling
Switches	FL/on; BLC/on; Int./L.L; ATW/ATB	FL/on; BLC/on; Int./L.L : Autoiris/open; ATW/ATB	FL/on; BLC/on; Int./L.L : Autoiris/open; ATW/ATB
Dimensions	144(D)mm x 110 (H)mm	144(D)mm x 110 (H)mm	144(D)mm x 110 (H)mm
Weight (approximate)	470g	490g	550g

Features and specifications are subject to change for further improvement without any notice

