



# zc series

HI-RES B/W & COLOR MINIDOMES WITH AUTO-IRIS VARIFOCAL LENSES



- High Resolution Black & White, Color or **Day/Night** options
- Indoor & Outdoor models
- Integrated **computer** Auto-Iris Varifocals
- Optional Twisted-Pair CAT 5 Video Transmission
- 12VDC or 24VAC Power input
- Surface mount, flush mount, pendant mount and wall mount options



CBC (AMERICA) Corp.

# dome features

## Day/Night Model

Day Night Dome provides hi-res color images during the day and high sensitivity B/W images at night.



Proprietary Pan / Tilt / Rotation mechanism allows for mounting on horizontal or vertical surfaces

Line Phase Adjustment for synchronizing cameras in 24VAC applications

Detachable service monitor cable for easy adjustment during installation

Dip switch settings for AGC, Backlight control and Auto White Balance

Video cable with BNC for quick video connection

Hi-Speed auto-iris varifocal lenses provide excellent low-light performance

Auto-sensing dual voltage input (12VDC or 24VAC)

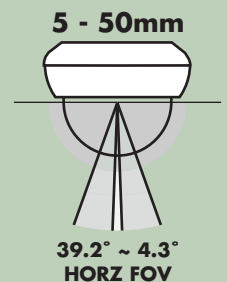
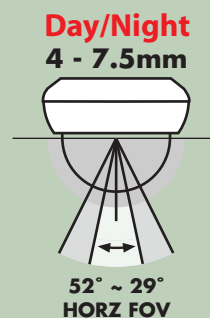
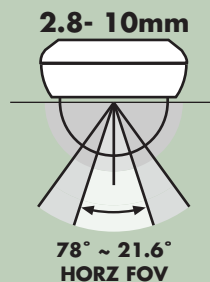
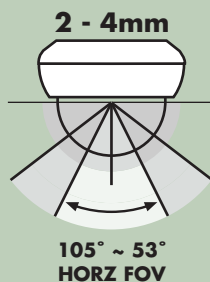
Zoom & Focus controls

Optional NVT Transmitter for use with CAT 5 cable

## 4 Varifocal Lens Options

Integrated **computer** auto-iris varifocal lenses provide a wide variety of adjustment ranges.

Day/Night lens utilizes a mechanical shutter for removal of IR cut filter.





# mounting options

## Indoor



### **SURFACE MOUNT**

Standard

### **FLUSH MOUNT**

Accessory Model No.  
ZC-FM1

### **PENDANT MOUNT**

Accessory Model No.  
ZC-PM1

### **WALL MOUNT**

Accessory Model No.  
ZC-WM1

- |             |   |
|-------------|---|
| 1. ZC-FM1   | Flush mount kit can be used with drop ceiling, sheetrock or other indoor ceiling material |
| 2. ZC-PM1   | Pendant mount adapter; mounts to dome base and uses 1" NPT pipe                           |
| 3. ZC-WM1   | Wall mount includes ZC-PM1 pendant mount and wall bracket                                 |
| 4. ZP-DCS10 | Tinted dome cover conceals lens for discrete applications                                 |
| 5. ZC-GP1   | Single gang box mounting plate  |

## Outdoor / Impact Resistant



### **ZC-OH2**

Outdoor Housing for ZC-D3000  
Series Domes

### **CONDUIT BASE MOUNT**

Accessory Model No.  
ZC-CB2

### **PENDANT MOUNT**

Accessory Model No.  
ZC-PM2

### **OUTDOOR WALL MOUNT**

Accessory Model No.  
ZC-WM2

- |           |   |
|-----------|---|
| 1. ZC-OH2 | Impact resistant aluminum/lexan outdoor housing; accepts all ZC-D3000 Series Dome cameras |
| 2. ZC-CB2 | Conduit adapter mounts to ZC-OH2 housing base and accepts 1/2" conduit from the side      |
| 3. ZC-PM2 | Pendant mount adapter mounts to ZC-OH2 housing base and accepts 3/4" standard pipe        |
| 4. ZC-WM2 | Outdoor wall mount includes ZC-PM2 pendant mount and wall bracket                         |

# specifications

## ZC Series Dome Models

LENS TYPE	HI-RES B/W DOME	HI-RES B/W DOME W/NVT*	HI-RES COLOR DOME	HI-RES COLOR DOME W/NVT*
2-4mm Varifocal Lens	ZC-D3024EHA	ZC-D3024EHAT	ZC-D3024NHA	ZC-D3024NHAT
2.8-10mm Varifocal Lens	ZC-D3210EHA	ZC-D3210EHAT	ZC-D3210NHA	ZC-D3210NHAT
<b>D/N</b> 4-7.5mm Varifocal Lens	-	-	ZC-DN3048NHA	ZC-DN3048NHAT
5-50mm Varifocal Lens (A/I)	ZC-D2550EHA	ZC-D2550EHAT	ZC-D2550NHA	ZC-D2550NHAT
5-50mm Varifocal Lens (M/I)	ZC-D2550EH	ZC-D2550EHT	ZC-D2550NH	ZC-D2550NHT

\*Pre-installed NVT transmitter provides video transmission over CAT 5/Twisted pair cable. A separate receiver is required.

**Outdoor Housing Kits:** ZC Series Domes can be ordered as a Kit with the ZC-OH2 Outdoor Housing. Please see our price list for Kit model numbers.

## Camera Specifications

TYPE MODELS	HIGH RESOLUTION B/W	HIGH RESOLUTION COLOR
	ZC-D3024EHA / 3210 / 2550	ZC-D3024NHA / 3210 / 3048 / 2550
RESOLUTION (HORIZONTAL)	570	480
TV SYSTEM	EIA	NTSC
SCANNING SYSTEM	2:1 Interlace	2:1 Interlace
IMAGE SENSOR	1/4" CCD interlace	1/4" CCD interlace
EFFECTIVE ELEMENTS (H) X (V)	768x494	768x494
VIDEO OUTPUT	1.0V p-p/75Ω	1.0V p-p/75Ω
AGC	+24dB max.	+26dB max
S/N RATIO (AGC OFF)	More than 50dB	More than 50dB
GAMMA CHARACTERISTIC	0.45	0.45
SYNC SYSTEM	INT/Linelock	INT/Linelock
WHITE BALANCE	-	Auto (ATW)
POWER SUPPLY	AC24V ±10% or DC12V ±10%	AC24V ±10% or DC12V ±10%
POWER CONSUMPTION	200mA/12VDC   190mA/24VAC	300mA/12VDC   250mA/24VAC
EXTERNAL DIMENSIONS	128(w) x 101(h)mm   5.03"(w) x 3.97"(h)	128(w) x 101(h)mm   5.03"(w) x 3.97"(h)
WEIGHT	400g (Approx)	320g (Approx)
DIP SWITCH SETTINGS	Sync. L.L./INT; AGC Off/On; BLC Off/On	Sync. L.L./INT; BLC Off/On
SCANNING FREQUENCY	15.734KHz (Horizontal)   59.94Hz (Vertical)	
OPERATING TEMPERATURE	Operation: -10° ~ +50°C   Storage: -20° ~ +60°C	
AUTO IRIS ADJUSTMENT	DC Iris level adjustment (Adjustment tool provided)	

## Lens Specifications

MODELS	ZC-D3024EHA   NHA	ZC-D3210EHA   NHA	ZC-DN3048NHA	ZC-D2550EHA   NHA
LENS FOCAL LENGTHS	2-4mm (wide angle)	2.8-10mm ( standard)	4-7.5mm (day/night)	5-50mm (super telephoto)
MINIMUM ILLUMINANCE	B/W: 0.25lux Color: 2.0lux	B/W: 0.48lux Color: 1.5lux	B/W: 0.28lux Color: 2.5lux	B/W: 0.25lux Color: 2.0lux
LENS F-STOP RANGE	f1.4-300 (auto)	f1.2-360 (auto)	f1.6-360 (auto)	f1.3-300 (auto)
LENS HORIZONTAL FOV	105.1° - 53.2°	78.2°-21.6°	52°-29°	39.2° - 4.3°

## Optional Outdoor Housing Specifications (Model ZC-OH2)

HOUSING MATERIAL:	Cast aluminum with powder coat painted finish, all stainless steel hardware.
DOME MATERIAL:	Impact resistant polycarbonate dome painted black with clear lens opening. ( <i>Tinted, chrome &amp; gold dome options available</i> )
HOUSING COLOR:	Off white powder coat paint. ( <i>other color options are available</i> )
ENCLOSURE PROTECTION:	Designed to meet NEMA 5, IP67 standards.
TEMPERATURE RANGE:	-20° to +140°F ( <i>using ZC series dome camera</i> )
WEIGHT:	1 lb, 15oz ( <i>ZC-OH2 housing only</i> )
DIMENSIONS:	5.82" diameter, 4.20" overall height