

CCTV PRODUCT GUIDE



computar®

GANZ 

2008

Easy Writers.

ONLY THE DIGIMASTER SERIES GIVE YOU THE SAME INTUITIVE SETUP AND OPERATION PLATFORM ON EVERY MODEL.

CBC America presents a powerful line of Digital Video Recorders providing state-of-the art features, exceptional recorded image quality, ease of operation, and **a consistent platform among all models.**

With up to 1.5 TB of internal storage capacity, the DigiMaster Series provide up to 60 days recording time at 704 x 480 resolution.

A host of other features make the DigiMaster Series DVRs the perfect choice for almost any application:

- > Up to 120 ips recording speed
- > True triplex operation
- > Up to 704 x 480 (4CIF/D1) resolution
- > Optimized MPEG-4 compression
- > 10/100 Base T network connection
- > Built-in USB-2 port for downloading to the included thumb-drive
- > Internal DVR/CD-RW drive for data backup (optional)
- > USB mouse control
- > Integrated PTZ drivers compatible with most systems
- > DDNS support for use with dynamic IP addresses
- > Continuous-duty hard drives for optimized performance and reliability
- > Handheld Remote and Thumb Drive INCLUDED

Designed to work into your existing CCTV system, or available in convenient pre-configured kits, the DigiMaster Series is from CBC America, a trusted leader in CCTV products.

See page 11 for more details.



DIGIMASTER

CCTV made easy.
Complete pre-configured kits are available.

PART OF OUR FULL LINE OF CCTV SYSTEMS SOLUTIONS.



CBC (AMERICA) Corp.



NEW PRODUCT INTRODUCTIONS



480 IPS
REAL TIME

PAGE **10**

DR16NRT Series 16-CHANNEL 480 IPS DIGITAL VIDEO RECORDER

The DR16NRT is a powerful and versatile 16 channel DVR providing real-time recording up to 480 images per second and can be operated with a USB mouse, keyboard controller or handheld remote. A 10/100 Base T Network Connection allows remote viewing and playback with PTZ control.

See page 10 for more details.



Replaces the
ZC-D3000
Series

PAGE **6**

ZC-D5000 Series Domes 540 TVL SUPER HI-RES DAY/NIGHT DOMES

The ZC-D5000 Series 540 TVL Super High Resolution domes are available in True (mechanical) D/N and Digital D/N versions for indoor and outdoor installations. All models are available with pre-installed NVT transmitter for video transmission over CAT 5 cable.

See page 6 for more details.



Replaces the
ZC-D6000
Series

PAGE **7**

ZC-D4000 Series Domes 540 TVL COLOR DOMES

GANZ ZC-D4000 Series domes offer full-featured performance at an economical price for both indoor and outdoor installations. Both models include True (mechanical) D/N, Digital D/N, and Wide Dynamic Range options. *See page 7 for more details.*



PAGE **17**

GH-FWC24 OUTDOOR HOUSING W/PREASSEMBLED POWER & VIDEO CABLES

This environmental housing kit is designed to accommodate most camera & lens combinations including 10X varifocals and 6X motorized zoom lenses.

See page 17 for more details.

CBC (America) Corp. is dedicated to providing the highest quality CCTV products backed by a commitment to first-class customer service and technical support. Following the market trend and using our lens manufacturing expertise, we continue to enhance our line of varifocals, digital and mechanical Day/Night cameras, IP network cameras and an expanded range of indoor and outdoor camera mounting options. To complete our system lineup, we have introduced the DIGIMASTER 4- 8- and 16-Channel Networkable DVRs and the DIGIMAX PC-based DVR. We've also added a 12X PTZ Dome to our 22X or 23X PTZ Dome Series.

With fully-stocked warehouses in both New York and Los Angeles, CBC (AMERICA) Corp. assures same-day shipment on most items. Both offices have full technical support and repair facilities, and regional sales staff covering all of North and South America.

For more information on these quality GANZ® products or our full line of COMPUTAR® lenses, please contact us at 800-422-6707 (NY) or 800-888-0131 (CA) or visit us online at www.cbcamerica.com.



PAGE **14**

IP CAMERAS COLOR IP NETWORK CAMERAS

GANZ IP network cameras deliver full-featured performance and maximum flexibility for your IP surveillance applications. The IPX series CS mount cameras include auto iris compatibility, SD card recording and analog video output. The ZN-PT304 series provides a full-range pan-tilt function while the ZN-YH305 offers an economical high resolution CMOS sensor. All models offer dual-codec compression and free 16 channel recording software. IP dome also available.

See page 14 for more details.



PAGE **15**

MP SERIES MEGAPIXEL IP CAMERAS

The MP Series Cameras provide real-time megapixel video at up to 15x the resolution of analog cameras. The series includes a 1.3 Megapixel, 2 Megapixel and a 5 Megapixel IP Camera all with Auto-Iris Output, a 3/1.3 Dual-Sensor Day Night IP Camera and an 8 Megapixel 360° IP Dome. All MP Series Cameras include flexible surveillance software.

See page 15 for more details.

CBC reserves the right to modify product specifications without prior notice and assumes no responsibility for errors in this publication. All products mentioned in this publication are acknowledged to be the property of their respective trademark owners.

CS Mount Cameras

YCH-03A

540 TVL Super Hi-Res Color Digital Day/Night Camera

540 TVL



DIGITAL DAY/NIGHT CAMERA

An incredible value in high-performance, hi-res color, digital Day/Night video cameras, with the same quality and reliability as the workhorse FC and YC series. The YCH-03A offers a stunning 540 lines of resolution at 0.8 lux in Day/Night mode. An advanced backlight compensation feature, digital signal processing and Sony® CCD assure excellent color reproduction.

Resolution:	540 TVL
Sensitivity:	1.2 lux sensitivity @ F1.2/50 IRE D/N off/0.8 lux D/N on 50 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	2.4" (W) x 1.8" (H) x 3.7" (D)

ZC-NH258N

540 TVL Super Hi-Res Color True Day/Night Camera

TRUE DAY/NIGHT



Hi-Res color True Day/Night performance w/IR cut filter retraction at night provides color images during the day and high sensitivity B/W images at night. Fast 1.5 second Day/Night switching, digital signal processing and Sony® CCD assure excellent color reproduction.

Resolution:	540 TVL
Sensitivity:	0.04 lux @ F1.2/50 IRE (Night Mode)
Power:	24VAC/12VDC auto sensing dual voltage. UL listed
Dimensions:	2.4" (W) x 1.8" (H) x 3.8" (D)

- Available with a variety of Computar Day/Night compatible lenses
- Exceptional low light sensitivity of 0.04 lux at F1.2
- Easy thumb-wheel backfocus adjustment
- 24VAC/12VDC Auto Sensing Dual Voltage
- UL Listed

ZC-NH403N

Hi-Res Color True Day/Night Camera

TRUE DAY/NIGHT



Full-featured true Day/Night camera offers brilliant hi-res color images by day and crisp B/W images at night via mechanical removal of the IR cut filter. The unit features six selectable backlight patterns, RS-485 control, Sony® EX-View CCD, outdoor housing option.

Resolution:	480 TVL
Sensitivity:	0.06 lux @ F1.2/50 IRE (Night Mode)
Power:	24VAC/12VDC auto sensing
Dimensions:	3" (W) x 2.4" (H) x 4.9" (D)



ALL CAMERAS ON THIS PAGE ARE AVAILABLE PRE-INSTALLED IN OUR PRO-PAK HOUSING.

Pro-Pak Kits include housing, wall or ceiling bracket with pre-assembled GANZ® camera and COMPUTAR® varifocal lens. Pro-Pak kits can be ordered with a variety of B/W, Color or Day/Night cameras with manual or auto-iris varifocal lenses. All lenses are backfocused and five feet of outdoor rated power and video cable are included. Call customer service for specific lens and camera packages.

SEE PAGE 16 FOR MORE DETAILS.

CS Mount Cameras

ZC-YHW701N

Hi-Res Color WDR* Camera

Hi-Res WDR color camera in a super-compact 2.2" design. Ideal for tackling the toughest backlighting problems. 12VDC/24VAC dual voltage, backlight compensation, DC A/I compatibility and Sony® CCD. Lens not included.

Resolution:	480 TVL
Sensitivity:	1.0 lux @ F1.2/50 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	2.1" (W) x 2.2" (H) x 2.2" (D)

*Wide Dynamic Range (WDR) minimizes common backlighting problems and provides balanced exposure of both bright and dark areas within the same scene.




CL Series

Color and Hi-Res Color 1/3" Cameras

Economy series standard or hi-res color cameras provide full-featured performance at an extremely competitive price. 12VDC/24VAC dual voltage, backlight compensation, DC or Video A/I compatibility and Sony® CCD.

Resolution:	330/480 TVL
Sensitivity:	0.8/1.6 lux @ F1.2/50 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	2.2" (W) x 1.6" (H) x 4" (D)
Models:	CL-301 Standard Color CLH-401 Hi-Res Color



YC Series

Color and Digital Day/Night Cameras

Standard res, full-featured color and digital Day/Night cameras offer patented backlight compensation with "high-light slicing," DC or Video Auto Iris lens compatibility, easy back focus adjustment wheel and 12VDC/24VAC auto sensing dual voltage input. Digital signal processing and Sony® CCD assure excellent color reproduction.

Resolution:	330 TVL
Sensitivity:	0.6/1.2 lux @ F1.2/50 IRE
D/N Sensitivity:	0.2/0.4 lux @ F1.2/30 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	2.4" (W) x 1.8" (H) x 3.8" (D)
Models:	YC-02C Standard Color YC-02D Standard Color Day/Night



FC Series

B/W and Hi-Res B/W 1/3" Cameras

Standard and hi-res, full-featured B/W cameras offer patented backlight compensation with "high-light slicing." DC or Video Auto iris lens compatibility, easy back focus adjustment wheel and 12VDC/24VAC auto sensing dual voltage input, and Sony® CCD.

Resolution:	380/570 TVL
Sensitivity:	0.09/0.18 lux @ F1.2/50 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	2.3" (W) x 1.8" (H) x 3.8" (D)
Models:	FC-62D Standard B/W FCH-62 Hi-Res B/W



Speciality Cameras & Domes

SpotCam Series

Hi-Res Color Camera w/Integrated Varifocal



A discreet, stylish housing combined with a new 2.8-10mm extended range varifocal makes this color camera/lens combination the perfect general purpose camera with high resolution performance. Camera is shown with optional mounting bracket. NVT transmitter is also available.

Resolution:	Color 480 TVL
Sensitivity:	Color 1.5 lux @ F1.2
Power:	24VAC/12VDC auto sensing
Dimensions:	2.2" (W) x 2.4" (H) x 4.8" (D)
Models:	ZC-L1210NHAK Color camera ZC-L1210NHA Color camera w/o bracket

TL-Series

Microbolometer Thermal Imaging Camera

Thermal



A compact thermal imaging camera offering high contrast, real-time thermal video at an affordable price. Using a microbolometer detector with a germanium lens, the video image is displayed from an interpolated heat signature emitted from people, vehicles, structures, electrical and mechanical components, etc. Ideal applications include perimeter surveillance, search and rescue, marine and port security, border patrol, electrical inspection, moisture detection and energy conservation.

Detector:	Uncooled microbolometer
Wavelength:	8 - 14µm
Array Format (Hxv):	320x240 Pixels
Pixel Size (Hxv):	23.5µm x 23.5µm
Video Output:	NTSC
Input voltage:	5 To 15VDC
Lens:	8.2mm (50° HFOV standard)
Model:	HWB-TL8 (shown)

TRUE DAY/NIGHT



Hi-Res Color True Day/Night Camera w/ 27X AF Zoom

An all-purpose camera for OEM inspection or surveillance applications. Camera offers a full range of features including 27X optical and 10X digital zoom, mechanical day/night feature, manual or auto focus mode, S-Video output, on-screen display, and remote zoom and focus control with DC voltage.

Resolution:	Color 480 TVL
Sensitivity:	Color 1.0 lux @ F1.6 day mode 0.1 lux @ F1.6 night mode
Power:	12VDC
Dimensions:	2.3" (W) x 2.5" (H) x 3.9" (D)

MD Series

Color CCD Mini Dome Cameras

NEW

ONLY 3.7" DIAMETER



The compact size of the MD Series minidomes makes them ideal for discreet installation and allows for a wide range of surveillance applications. Both feature a 3.6mm lens, F2.0 with built in auto electronic shutter. The MDC-N36S provides 330 lines of resolution, while the MDCH-N36S delivers 480 lines of super-high resolution.

Resolution:	Color 330/480 TVL
Sensitivity:	1.6/3.0 lux @ F2.0
Power:	12VDC
Dimensions:	3.7" Diameter x 2.8" (H)
Models:	MDC-N36S MDCH-N36S

IR Cameras & Lights

BCH-IR39A

Day/Night Outdoor IR Camera

A stylish all weather outdoor housing for installations requiring discreet appearance and outdoor performance. Hi-res 3-9mm auto iris lens, 480 TVL color with 12 IR LEDs provide up to 50' of illumination. Light activated photocell.

Resolution:	480 TVL
Sensitivity:	.01 lux @ F1.2; 0.00 lux (IR on)
Power:	24VAC/12VDC
Dimensions:	2.7" (W) x 2.8" (H) x 4.9" (L)



BC-IR3.6

Day/Night Outdoor IR Camera

A stylish all weather outdoor housing for installations requiring discreet appearance and outdoor performance. Hi-res 350 TVL color with 12 IR LEDs provide up to 50' of illumination. Light activated photocell.

Resolution:	350 TVL
Sensitivity:	1 lux @ F1.2; 0.00 lux (IR on)
Power:	DC 12V
Dimensions:	2.5" (W) x 2.3" (H) x 4.1" (L)

Coming Soon...
New IR Bullet Cameras
with feed-through bracket &
external zoom-focus adjustments



IR-LT30

Outdoor IR Illuminator

All weather outdoor performance IR illuminator provides 850nm semi-covert illumination. 28 LEDs provide up to 70' range with 30 degree beam angle.

Illumination:	0 Lux up to 70' distance at night
LED Spectrum:	850nm 30 degree visible IR LED x 30 EA as a standard
Power:	24VAC/12VDC
Dimensions:	2.4" (D) x 3.3" (L)



Compatible with ANY True Day/Night Camera

(includes Ganz® models ZC-NH258N, ZC-NH403N, ZC-DN5000, ZC-DN4000 & LVC-310HM)

IRL Series

IR LED Illuminators

The IRL Series LED illuminators are available in 30° or 60° beam angles for medium-distance infrared illumination. 24VAC power input with photo cell. Perfect for 24-hour surveillance combined with our Pro-Pak day/night kits.

Models:	
IRL-83:	850 nm, 30° beam
IRL-86:	850 nm, 60° beam
IRL-UB:	Standard U bracket
IRL-PB:	Pro-Pak housing bracket



IR ILLUMINATOR AND BRACKET
WITH PRO-PAK HOUSING

ZC-D5000 Series Domes

Replaces the ZC-D3000 Series

ZC-D5000 Series

540 TVL Super Hi-Res Day/Night Domes



ZC-D5000 Indoor Flush & Surface Mount



ZC-OH5
Outdoor Housing

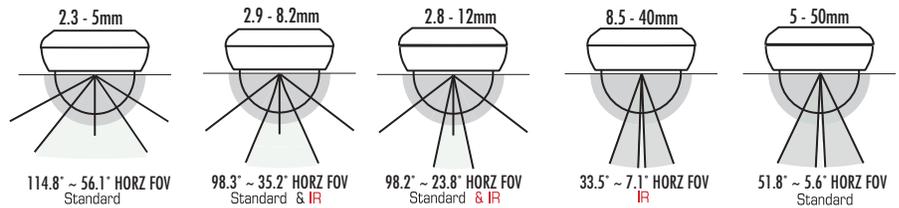


ZC5-HTR
Optional Heater

The ZC-D5000 Series 540 TVL Super High Resolution domes are available in True (mechanical) D/N and Digital D/N versions. For optimum flexibility the ZC-D5000 series offers 7 **computar**® CS mount Aspherical Varifocal Lens options. The indoor version features a single model for surface and flush mounting. The outdoor housing features a built-in conduit hole for more convenient installation and also offers ceiling and wall mount options. All models are available with pre-installed NVT transmitter for video transmission over CAT 5 cable.

Resolution:	540 TVL
Sensitivity:	Digital D/N - 0.63 lux @ F1.0/ 30 IRE True D/N - 0.03 lux @ F1.0/ 30 IRE
Note: Lux ratings above apply to 2.9-8.2mm version.	
Power:	24VAC/12VDC auto sensing
Dimensions:	5.6" (Dia.) x 4.3" (H) (Indoor Dome) 6.7" (Dia.) x 5" (H) (Outdoor Dome)
Heater Option:	ZC5-HTR

computar ASPHERICAL/VARIFOCAL LENS OPTIONS



Digital Day/Night

Indoor	Outdoor
ZC-D5025NHA - 2.3-5mm F1.2	ZCOH5-D25NHA - 2.3-5mm F1.2
ZC-D5029NHA - 2.9-8.2mm F1.0	ZCOH5-D29NHA - 2.9-8.2mm F1.0
ZC-D5212NHA - 2.8-12mm F1.3	ZCOH5-D21NHA - 2.8-12mm F1.3
ZC-D5550NHA - 5-50mm F1.3	ZCOH5-D55NHA - 5-50mm F1.3

True Day/Night

Indoor	Outdoor
ZC-DN5029NHA - 2.9-8.2mm F1.0	ZCOH5-DN29NHA - 2.9-8.2mm F1.0
ZC-DN5212NHA - 2.8-12mm F1.3	ZCOH5-DN21NHA - 2.8-12mm F1.3
ZC-DN5840NHA - 8.5-40mm F1.3	ZCOH5-DN84NHA - 8.5-40mm F1.3

Add Suffix "T" for NVT module.

Indoor Mounting Options



FLUSH/SURFACE MOUNT
Standard



PENDANT MOUNT
Model No. ZC5-PM1
(1" NPT Pipe)



INSIDE VIEW
Shown w/optional NVT Transmitter



WALL MOUNT
Model No. ZC5-WM1

Outdoor/Impact-Resistant Mounting Options



ZC-OH5
Outdoor Housing for
ZC-D5000 Series Domes



PENDANT MOUNT
Model No. ZC5-PM2
(1" NPT Pipe)



BOTTOM VIEW
With view of 3/4" conduit hole



OUTDOOR WALL MOUNT
Model No. ZC5-WM2

ZC-D4000 Series Domes

ZC-D4000 Series

540 TVL Color Domes

GANZ ZC-D4000 Series domes offer full-featured performance at an economical price for both indoor and outdoor installations. Both indoor and outdoor models include True (mechanical) D/N, Digital D/N, and Wide Dynamic Range options. The outdoor version features a single model with removable collar for surface and flush mounting. Mounting accessories include interior flush mount, interior/exterior pendant mount, and interior/exterior wall bracket.

Resolution:	540 TVL (520 TVL for WDR models)	
Sensitivity:	1.0 lux @ F1.2/30 IRE - Digital Day/Night 0.08 lux @ F1.4/30 IRE - True Day/Night 1.3 lux @ F1.2/30 IRE - Wide Dynamic Range	
Power:	24VAC/12VDC auto sensing	
Dimensions:	4.7" (Dia.) x 3.9" (H)	(Indoor Dome)
	5.5" (Dia.) x 3.9" (H)	(Outdoor Dome)
Lens:	3-9mm F1.2 auto iris lens	

Replaces the ZC-D6000 Series



ZC-D4000 Indoor Dome

ZC-D4000 Series Dome Models

Indoor	Outdoor	Camera Type
ZC-D4039NHA	ZC-DT4039NHA	Digital Day/Night
ZC-DN4039NHA	ZC-DNT4039NHA	True Day/Night
ZC-DW4039NHA	ZC-DWT4039NHA	Wide Dynamic Range



ZC-D4000 Outdoor Dome

Optional 5 foot Service Monitor cable for ZC-D4000 Series domes - model ZCA-SM400.



Indoor Mounting Options



SURFACE MOUNT

Standard



FLUSH MOUNT

Model No. ZC-FM2



PENDANT MOUNT

Standard
(3/4" NPT Pipe)



WALL MOUNT

Model No. ZC4-WM1

Outdoor/Impact-Resistant Mounting Options



SURFACE MOUNT

Standard



FLUSH MOUNT

Standard



PENDANT MOUNT

Model No. ZC4-PM2
(3/4" NPT Pipe)



WALL MOUNT

Model No. ZC4-WM2

Product specifications are subject to change without prior notice.

B/W & Color Board Cameras



2.9mm PINHOLE LENS



STANDARD FIXED LENS



AUTO-IRIS VARIFOCAL LENS

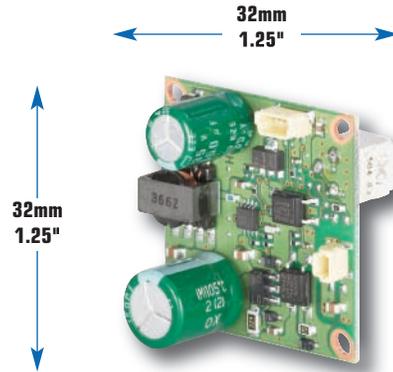


D/N AUTO-IRIS VARIFOCAL LENS



BH-1 HOUSING

CBC's line of 1/4" format 32x32mm board cameras offers maximum flexibility for OEM applications. Cameras are available in B/W or Color and Day/Night in standard or hi-res, all on a single board. Features include DC auto iris output, DSP controls for backlight compensation and gain control, DC level adjustment, and an optional 12VDC/24VAC power board. Mounting options include CS Mount, fixed lens mount, pinhole lens, and varifocal lens mount. NTSC/EIA and PAL/CCIR versions are available.



Optional Power Board
PW-S24, Dual Voltage 12VDC/24VAC



Optional Housing
EM2-H
(accepts both fixed & varifocal lenses)

Camera Series	Camera Type	Resolution (Lines/in.)	Sensitivity (lux@F1.2)	Shutter Speed (AES)	Voltage (VDC)
MM112	B/W	380	0.24	1/60 - 1/100,000	12
MMH112	Hi-Res B/W	580	0.48	1/60 - 1/100,000	12
CM112	Color	330	0.8	1/60 - 1/20,000	12
CMH112	Hi-Res Color	480	1.5	1/60 - 1/20,000	12
DMH112	Hi-Res Color D/N	480	0.28	1/60 - Fixed	12

Lens Mounting Options

Fixed Iris Lenses:	1.9mm, 2.5mm, 2.9mm, 3.8mm, 6.0mm, 8.0mm, 12.0mm
Varifocal Lenses:	2-4mm, 3-6mm, 4-9mm, 3-9mm, 2.8-10mm, 3-9mm D/N, 4-7.5mm D/N
Pinhole Lenses:	2.9mm
CS-Mount:	Can use most fixed-iris, manual iris, or DC auto-iris monofocal/varifocal lenses. (For CS-Mount DC auto-iris lenses, use Model DCAI-112 A/I cable adapter.)

Note: Not all lenses shown above are stock items. Call for availability.

BH-1 Series Housing

Weather/Tamper-Resistant Housings w/Pre-Installed Cameras

Our board cameras are now available preinstalled as a kit in our BH-1 Series Housing, B/W or Color options with 2.5 or 6mm fixed iris lens. All camera options include backlight compensation and auto electronic shutter for indoor or outdoor use. Wall, ceiling, or corner mount with optional bracket. The BH-1 is weather-sealed aluminum housing with 3/16" polycarbonate window and tamperproof key lock. Mounting hardware and BNC connector included.



OPTIONAL CORNER MOUNT ADAPTER

Monitors

ZM-L20PD Series

20" Public Display Monitor System

This 20" public display monitor combines a marketing device with a CCTV surveillance system. The unit combines a LCD display, passive IR sensor, media input, flexible software, and a high resolution color camera, all with a single-cable installation. It can be programmed to alert customers that video surveillance is in use when the unit's PIR detects motion or to display customized text and multi-media images.

Panel Size	20.1" LCD
Resolution:	800 x 600
Camera:	480 TVL color with 3-9mm AI varifocal
Mounting:	Telescopic ceiling mount included
Accessories:	Handheld remote & 1GB Compact flash card included
Power:	AC 100-240V, 50/60 Hz; DC 12V/6.5A
Dimensions:	Monitor: 18.2"(W) x 17.4"(H) x 2.8"(D)
Models:	ZM-L20PD-H39 20" LCD -1 camera ZM-L20PD-H39X2 20" LCD -2 cameras

See product brochure for optional accessories



ZM-L Series

17" & 19" Hi-Res Color LCD Monitors

The ZM-L17A & ZM-L19A color LCD monitors feature active matrix screens with outstanding resolution, contrast and brightness, and VGA and composite video inputs for use with a PC or analog CCTV camera. Slim, lightweight designs with optional wall and rack mount accessories for a wide variety of security applications.

Resolution:	1280 x 1024/SXGA
Inputs:	BNC Video In and Out, S-Video In, Left & Right Audio IN, D-Sub (VGA) IN
Power:	DC input 12V, 4.0A 50/60Hz
Dimensions:	17"- 15.2"(W) x 15.3"(H) x 6.7"(D) 19"- 16.6(W) x 16.5"(H) x 6.7"(D)
Models:	ZM-L17A - 17" LCD Monitor ZM-L19A - 19" LCD Monitor



CEC Series

17" & 19" Super Hi-Res Color Monitors

17" & 19" NTSC- or PAL-compatible monitors offering advanced features that you would expect from professional rack mount monitors, including over/under scan control; three audio inputs/ outputs (RCA); 10-function on-screen display; industrial-grade metal housing. Rack mount is standard with 19" monitor.

Resolution:	800 TVL
Video Input:	3 Video In, 3 Video Out (2 BNC/1 S-VHS)
Audio Input:	3 Audio In, 3 Audio Out (RCA)
Power:	AC 100 - 240V, 50/60Hz
Dimensions:	19"- 17.6"(W) x 17.1"(H) x 17.6"(D) 17"- 16.4"(W) x 15.8"(H) x 16.4"(D)
Models:	CEC-CMH17A - 17" Monitor CEC-CHM19A - 19" Monitor



ZM-CR SERIES

15" & 21" Color Flat Screen CRT Monitor with Audio

Features include NTSC or PAL compatibility, two audio inputs/outputs (RCA), on-screen adjustment display, and industrial-grade metal housing. New flat screen CRT minimizes distortion and reflection.

Resolution:	15" - 400 TVL/21" - 500 TVL
Video Input:	2 Video In, 2 Video Out (BNC)
Audio Input:	2 Audio In, 2 Audio Out (RCA)
Power:	AC 100 - 240V, 50/60Hz
Dimensions:	15" - 14.4"(W) x 13.5"(H) x 15.4"(D) 21" - 19.1"(W) x 17.1"(H) x 18.7"(D)
Models:	ZM-CR315NP-US - 15" Monitor ZM-CR321NP-US - 21" Monitor



BACK PANEL



Digital Recorders & VCRs

NEW

DIGIMASTER



480 IPS
REAL TIME

Archiving can be done with the DVD drive (standard) or via a thumb drive through a USB-2 port. MPEG-4 compression saves high-quality images with smaller file sizes and allows more efficient transmission over Ethernet. DDNS support is available for use with dynamic IP addresses.

The DR16NRT is a powerful and versatile 16 channel DVR providing real time recording up to 480 images per second. The DVR can be operated with a USB mouse, keyboard controller or handheld remote. A 10/100 Base T Network Connection allows remote viewing and playback with PTZ control.

DR16NRT Series

16-Channel 480 IPS Digital Video Recorders

Video Input:	16 inputs, 1Vp-p, 75 ohms, BNC	
Audio:	4 x line-in, RCA	
HDD:	Up to 1.5 TB	
Record Speed:	480 images/sec.	
Resolution:	704 x 480 (4 CIF/D1)	
Power:	100VAC-240VAC, 60/50Hz	
Dimensions:	16.9" x 3.5" x 18.1"	
Models:	DR16NRT	w/no hard drive
	DR16NRT-250	250 GB HDD
	DR16NRT-500	500 GB HDD
	DR16NRT-750	750 GB HDD
	DR16NRT-1TB	1 TB HDD
	DR16NRT-1.5TB	1.5 TB HDD

ZR-DH1621NP

16-Channel Digital Video Recorder



internal storage capacity (3x HDD). Front panel USB port. Wavelet compression reduces individual image sizes for more efficient use of disk space. External controller will support most PTZ devices and allow full control of all front panel DVR functions.

The ZR-DH1621NP offers compact, versatile, and powerful recording functions in a 16-channel model. 'Always-On' Triplex Recording allows the user to record while viewing live and playback video simultaneously in multi-screen mode, with the added functionality of full remote control and configuration over a network connection. With up to 1.5TB

Video Input:	Composite video signal, 16 BNC inputs	
Audio:	1 in/1 out	
HDD:	Up to 1.5 TB	
Record Speed:	120 images/sec.	
Resolution:	720 x 240/360 x 240 7 quality levels	
Power:	AC 115/230V, 50-60Hz, selectable	
Dimensions:	17.0" x 3.5" x 17.7"	

CTR-030NC-2 and CTR-024N-2

30-960 Hour Real-Time & 24-Hour Timelapse VCRs



The CTR-030NC-2 provides up to 960 hours (time-lapse) or 30 hours (real-time) recording time with T-120 tape; Alarm/Sensor/Timer recording and on-screen tape counter and hour meter. The CTR-024N-2 features 2-, 12-, and 24-hour recording with time and date display and various programmable recording modes.

CTR-030NC-2	
Record Time:	Up to 960 hours (T-120 tape)
Modes:	Real-Time - 6, 18, 30 hours Timelapse - up to 960 hours
CTR-024N-2	
Record Time:	Up to 24 hours (T-120 tape)
Modes:	2, 12, 24 hours
CTR-024N-2 & CTR-030NC-2	
Resolution:	B/W - 350 lines (2H) Color - 300 lines (2H)
Power:	AC 100 - 240V, 50/60Hz
Dimensions:	14.2"(W) x 3.7"(H) x 10.6"(D)

Digital Recorders

DIGIMASTER/DR Series

4/8/16 Channel Digital Video Recorders

The GANZ® DIGIMASTER Series is a powerful line of Digital Video Recorders designed to provide state-of-the-art features, exceptional recorded image quality and ease of operation. With up to 1.5 TB of internal storage capacity, this series provides up to 60 days recording time at 704 x 480 resolution. MPEG-4 compression saves high-quality images with smaller file sizes and allows more efficient transmission over Ethernet. USB-2 ports and optional CD-RW or DVD drive assure quick and easy archiving.

- 4/8/16 ch video and 4 ch audio recording
- 120 images per second recording speed
- True TRIPLEX Operation
- Up to 704 x 480 (4 CIF/D1) resolution
- USB mouse control
- 10/100 Base T Network Connection allows remote viewing, playback and PTZ control
- USB-2 Port for quick downloading to a thumb drive
- Internal DVD/CD-RW drive for data backup (optional)
- PTZ control (drivers for most popular models included)
- DDNS support for use with dynamic IP addresses
- Continuous duty hard disk drives optimize performance and improve reliability



1.5 TB

up to 1.5TB storage capacity using 3x HDD

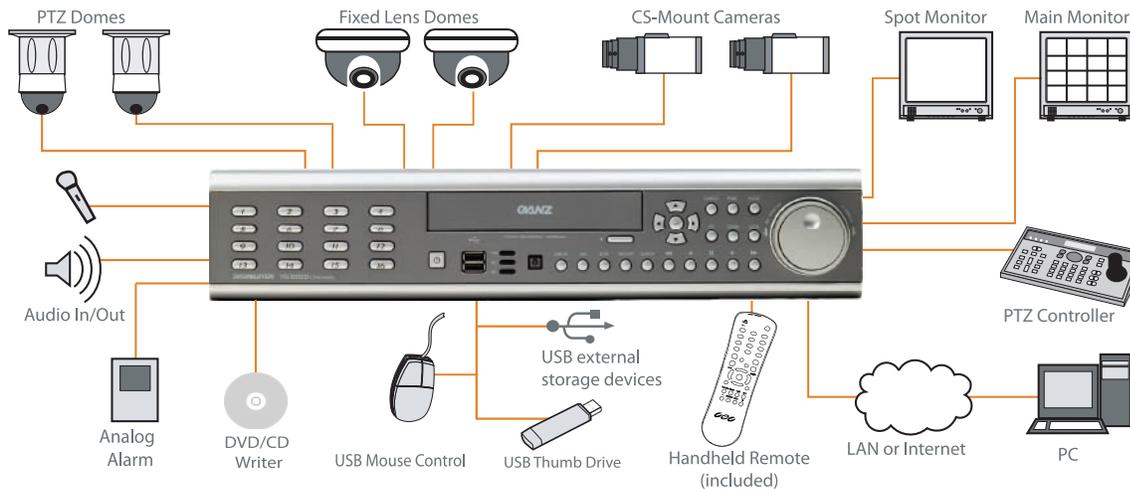
DIGIMASTER



INCLUDES HANDHELD REMOTE & THUMB DRIVE



ALL DIGIMASTER MODELS ARE COMPATIBLE WITH THE ZCA-SC201 PTZ DOME/DVR CONTROLLER



4 Channel

DR4N*	4-Ch DVR w/no hard drive
DR4N-160*	160 GB HDD
DR4N-250*	250 GB HDD
DR4N-500*	500 GB HDD
DR4N-750*	750 GB HDD
DR4N-1TB*	1 TB HDD

8 Channel

DR8N*	8 Ch DVR w/no hard drive
DR8N-250*	250 GB HDD
DR8N-500*	500 GB HDD
DR8N-750*	750 GB HDD
DR8N-1TB*	1 TB HDD
DR8N-1.5TB*	1.5 TB HDD

16 Channel

DR16N*	16 Ch DVR w/no hard drive
DR16N-250*	250 GB HDD
DR16N-500*	500 GB HDD
DR16N-750*	750 GB HDD
DR16N-1TB*	1 TB HDD
DR16N-1.5TB*	1.5 TB HDD

*Add suffix "C" for CD writer option (e.g.: DR16NC-250)

*Add suffix "D" for DVD writer option (e.g.: DR16ND-250)

Accessories

DR-RM1A	19" Rack Mt. Kit (fits 4-ch)
DR-RM2	19" Rack Mt. Kit (fits 8 & 16-ch)



Digital Recorders

DIGIMAX Series

PC-Based High Performance 16-Channel DVR

2.5 TB

up to 2.5TB storage capacity using 4x HDD



DIGIMAX

The DIGIMAX Series are PC-based Digital Video Recorders designed to provide state-of-the-art features, exceptional recorded image quality, and ease of operation. The system is powered by the Embedded Windows XP operating system. With up to 2.5 TB of internal storage capacity, this DVR series provides up to 60 days of recording time, even at 704 x 480 (4CIF) resolution. USB-2 ports and an internal DVD burner provide multiple methods to perform quick and easy archiving of video data.

- Embedded Windows XP® Operating System
- MPEG-4 compression, for high quality recording with reduced HDD consumption
- 480 images per second global recording rate
- Recording Resolutions of 704 x 480 (4 CIF), 704 x 240 (2 CIF), and 352 x 240 (CIF)
- Up to 16 channels of Audio Recording
- Multiple Display Outputs
- Connectivity with Keyboard and POS Devices
- Remote Control via GANZ® Management Software (GMS)

Models

ZR-DHC1630NP	16-CH	250 GB	ZR-DHC1630NP-1.75TB	16-CH	1.75 TB
ZR-DHC1630NP-750	16-CH	750 GB	ZR-DHC1630NP-2.25TB	16-CH	2.25 TB
ZR-DHC1630NP-1.25TB	16-CH	1.25 TB	ZR-DHC1630NP-2.5TB	16-CH	2.5 TB

System Configuration Options



PTZ Domes & Accessories

PTZ Dome Series

12X, 22X & 23X PTZ Domes

GANZ's compact 12X, 22X and 23X high-resolution PTZ dome cameras are fully programmable with a variety of mounting options for use in a wide range of indoor and outdoor applications. The optical-zoom 23X model includes a true mechanical Day/Night feature, as well as Wide Dynamic Range (WDR) mode for exceptional low light performance (0.01lux) and backlight compensation. Combined with our dedicated 3-axis joystick controller and Ganz® DVRs, this PTZ dome series fits neatly into our complete video surveillance systems solution.

- 480 TVL
- Mechanical Day/Night and Wide Dynamic Range features (23X model)
- 0.01 lux low-light frame integration feature (23X model)
- 360° continuous pan rotation plus auto-flip feature
- Full range of programmable presets, patrol tours, auto pan, cruise tour, and auto home return
- Privacy zones, zone titles, scheduling, advanced alarm-handling, and built-in multi protocols
- 24VAC power input (12VDC only for ZC-PT212N)

Models

ZC-PT212N	Indoor Hi-res color 12X Surface Mount Dome
ZC-PT222N	Indoor Hi-res color 22X Surface Mount Dome
ZC-PT223N	Indoor Hi-res WDR, Day/Night 23X Surface Mount Dome
ZC-PT222N-XT	Outdoor IP66 Hi-res Color 22X Dome
ZC-PT223N-XT	Outdoor IP66 Hi-res WDR, Day/Night 23X Dome



Accessories

ZCA-SC201	3-axis Joystick Controller
ZCA-TB200	Indoor Flush Mount (add "A" for 12x dome)
ZCA-PMK	Indoor Pendant Mount Kit (1-1/4" size)
ZCA-PMK1	Indoor Pendant Mount Kit (for 12x dome, 1-1/4" size)
ZCA-WMK1	Straight Indoor Wall Mount Kit
ZCA-WMK2	Straight Indoor Wall Mount Kit (for 12x dome)
ZCA-PMA-Q	Outdoor Pendant Mount (1-1/4" size)
ZCA-PPT	Outdoor Parapet Mount
ZCA-PPTRA	Roof Adapter for ZCA-PPT
ZCA-GT100	Straight Outdoor Wall Mount
ZCA-GT200	Outdoor Wall Mount
ZCA-CST	Outdoor Corner Mount Adapter
ZCA-PTDM	Outdoor Pole Mount Adapter
ZCA-CB	Connector Box (Video, Power, Alarm, RS485)
ZCA-DS*	RS485 Line Distributor (*add 4, 8 or 16)
ZCA-COAX	Pelco Coaxitron Converter Box

Mounting Options



INDOOR FLUSH MOUNT

Model No. ZCA-TB200 (22X 23X)



INDOOR PENDANT MOUNT KIT

Model No. ZCA-PMK (22X, 23X)
Model No. ZCA-PMK1 (12X)



INDOOR WALL MOUNT KIT

Model No. ZCA-WMK1 (22X, 23X)
Model No. ZCA-WMK2 (12X)



MOUNTING BRACKETS

Corner Mount Adapter ZCA-CST
Pole Mount Adapter ZCA-PTDM



OUTDOOR PENDANT MOUNT

Model No. ZCA-PMA-Q



OUTDOOR WALL MOUNT

Model No. ZCA-GT100



OUTDOOR PTZ & PARAPET MOUNT

Model ZCA-PPT



PTZ CONTROLLER

MODEL ZCA-SC201

IP Cameras & Servers

IPX Series

Dual-Codec Network Cameras



OPTIONAL POE SPLITTER AVAILABLE

The IPX Series Dual-Codec Network cameras are MJPEG/MPEG-4 selectable and feature an SD card slot for on-board storage. Both are auto-iris capable and allow for analog video output. DDK-1200 boasts a Sony® Super HAD 1/3" CCD.

Resolution:	640 (H) x 480 (V) (DDK-1000) 720 (H) x 480 (V) (DDK-1200)
Power:	5VDC
Dimensions:	2.4" (W) x 2.0" (H) x 3.8" (D)
Models:	DDK-1000 - 1/4" Progressive Scan DDK-1200 - 1/3" Hi-Sensitivity

ZN-YH305

Hi-Res Color IP Network Camera



The ZN-YH305 is a full-functional network camera equipped with a 1/4" CMOS sensor. This hi-res camera provides VGA resolution using real-time MPEG-4 compression, has PoE built-in and digital I/O for external sensor and alarm.

Video Standard:	MPEG-4
Resolution:	640 (H) x 480 (V)
Power:	12VDC or PoE
Dimensions:	3.7" (W) x 1.9" (H) x 5.7"(L)

ZN-D2024

Indoor IP Network Dome



NEW

The ZN-D2024 network dome camera with varifocal lens is ideal for indoor residential or commercial use. It has a 3-axis lens adjustment mechanism for wall or ceiling mount applications. The IP dome features real-time MPEG-4 and MJPEG compression, 2 way audio and VGA resolution.

Video Standard	MPEG-4/MJPEG
Resolution:	640 (H) x 480 (V)
Power:	12VDC or PoE
Dimensions:	5.8" (Dia) x 5" (H)

ZN-PT304 Series

Pan/Tilt IP Cameras



The ZN-PT304 Series offer superior image quality and optimized bandwidth efficiency using MPEG-4 implementation. Live video & audio monitoring via Internet Explorer® allows optimal viewing of a motorized wide range Pan/Tilt. Super low-light performance and intelligent motion detection.

Video Standard:	MPEG-4
Resolution:	640 (H) x 480 (V)
Power:	12VDC
Dimensions:	5" (W) x 4.3" (H) x 5" (D)
Models:	ZN-PT304L Pan/Tilt IP Camera ZN-PT304WL Wireless version

ZV-S306

MPEG-4/MJPEG Video Server



The ZV-S306 is a one channel video server using microchip technology to provide high quality real-time video compression in MPEG-4 and MJPEG formats. Video streams can be activated simultaneously to address multiple requirements for live viewing and recording.

Video Standard:	MPEG-4/MJPEG
Resolution:	Up to D1 (720 (H) x 480 (V))
Audio:	GSM-AMR compression Bit Rate - 4.75Kbps to 12Kbps
Power:	12VDC
Dimensions:	4.8" (W) x 1.2" (H) x 3" (D)

Megapixel IP Cameras

MP1A & MP2A

Hi-Res 1.3 and 2 Megapixel IP Cameras

The MP1A and MP2A are IP addressable 1.3/2 megapixel color cameras delivering high definition full motion video at a maximum rate of up to 30 frames per second. Both cameras have viewing and recording software with the ability to zoom after the event from high resolution digital archives, providing more than 6x the resolution of analog cameras. Compatible with 9 Computar® varifocal lenses.

Resolution:	MP1A - 1280(H) x 1024(V) MP2A - 1600(H) x 1200(V)
Sensitivity:	0.1 lux @ F1.4
Frame Rate:	up to 24 FPS @1600x1200
Power:	PoE or 12-48 VDC input
Lens Format:	1/2" C/CS Mount, DC AI
Dimensions:	3"(W) x 2.5"(H) x 2.3"(D) (without lens)



Recording Software Included

All MP Series Cameras include flexible surveillance software supporting real-time multi camera viewing, motion detection, digital archiving and automatic identification and configuration of all installed cameras via graphical interface.

MP3DN-2

Hi-Res 3/1.3 Megapixel Day/Night IP Camera

The dual sensor technology of the MP3DN-2 offers the perfect solution for 24-hour Day/Night surveillance. During the day, the 3 megapixel color sensor delivers clear, high resolution images. When light levels fall, the 1.3 megapixel monochrome sensor automatically switches on providing low light sensitivity down to 0.01 lux. This IP addressable camera delivers full motion high definition video across local area networks.

Resolution:	Day 2048(H) x 1536(V) Night 1280(H) x 1024(V)
Sensitivity:	0.01 lux @ F1.4
Frame Rate:	up to 20 FPS 1920x1200; 30 FPS @1280x1024
Power:	PoE or 12-48 VDC input
Lens Format:	Dual 1/2" C/CS Mount
Dimensions:	3"(W) x 2.5"(H) x 2.3"(D) (without lens)



MP5A

Hi-Res 5 Megapixel IP Camera

The MP5A high definition megapixel camera offers IP surveillance with exceptional picture quality. This camera sets new standards in video quality and performance using progressive scan technology. The 5 megapixel sensor can record video up to 2560x1600 resolution providing 15x the resolution of analog cameras and allowing identification of small details within each scene.

Resolution:	2592(H) x 1944(V)
Sensitivity:	0.3 lux @ F1.4
Frame Rate:	up to 16 FPS @2560x1600
Power:	PoE or 12-48 VDC input
Lens Format:	1/2" C/CS Mount, DC AI
Dimensions:	3"(W) x 2.5"(H) x 2.3"(D) (without lens)



MP8D-L4

8 Megapixel 360° IP Dome

The MP8D-L4 delivers panoramic views and cinema compatible frame rate to allow real time high definition digital video surveillance. The 360° field of view is achieved by using four separate 2 Megapixel CMOS sensors, each capturing images at a minimum of 90 degree angle and viewed as a quad image on one screen. The dome comes standard with four 4mm lenses.

Resolution:	Four (4) 2 megapixel 1600(H) x 1200(V)
Sensitivity:	0.2 lux @ F2.0
Frame Rate:	up to 88 FPS @800x600
Power:	PoE or 9-12 VDC input
Lens Format:	Four 4mm lenses included
Dimensions:	7.2" (Dia) x 6.1"(H) (dome)



Pro-Paks & Outdoor Kits

HWB-1 & HWB-2
PRO-PAK WITH
OPTIONAL SUNSHIELD



HWB-3
ACCOMMODATES
CAMERA/LENS
COMBINATIONS
UP TO 9" LONG.



WITH IR ILLUMINATOR
REQUIRES MOUNTING
BRACKET.



OPEN HOUSING SHOWS CAMERA & LENS

Pro-Pak Kits include housing, wall or ceiling bracket with pre-assembled GANZ® camera and COMPUTAR® varifocal lens. Pro-Pak kits can be ordered with a variety of B/W, Color or Day/Night cameras with manual or auto-iris varifocal lenses. All lenses are backfocused and five feet of outdoor rated power and video cable are included. Call customer service for specific lens and camera packages.

HWB-1 & HWB-2

Outdoor Housings with Wall Brackets

Compact, attractive design for indoor or outdoor use. Slide-off cover provides full accessibility to camera. Optional sunshield (SS-1), ceiling bracket (JB-1), and pole mount adapter (PMA1). HWB-2 includes heater.

Dimensions:	3.8" (Dia.) x 10.9" (L)
Max Camera/ Lens Size:	2.7" (W) x 2.1" (H) x 7.8" (L)
Construction:	Aluminum housing & mount; polycarbonate end-caps; all stainless-steel hardware

HWB-3

Large Outdoor Housing with Heater/Blower

A larger version of our HWB-1 and HWB-2 provides extra room for larger cameras and includes a heater/blower for extreme weather environments. Includes wall bracket.

Dimensions:	4.3" (Dia.) x 16.5" (L)
Max Camera/ Lens Size:	2.8" (W) x 2.8" (H) x 9.0" (L)
Construction:	Aluminum housing & mount; polycarbonate end-caps; all stainless-steel hardware

Pro-Pak Kit Camera and Lens Options

Available with these featured cameras & lenses

Day/Night Camera Options

<p>YC-02D/YCH03A Color Digital Day/Night 330/540 TVL</p>	<p>ZC-NH403N Day/Night w/Mechanical shutter 480 TVL</p>	<p>ZC-NH258N Day/Night w/Mechanical shutter 540 TVL</p>
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Standard Camera Options

<p>FC-62D/FCH-62 BW/Hi-Res BW 380/570 TVL</p>	<p>YC-02C Color 330 TVL</p>
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Manual and Auto-Iris Lens Options

<p>IR Series</p>  <p>2.8-12mm F1.3</p>	<p>IR Series</p>  <p>2.8-12mm F1.3</p>	<p>IR Series</p>  <p>2.9-8.2mm F1.0</p>	<p>IR Series</p>  <p>2.9-8.2mm F1.0</p>	<p>IR Series</p>  <p>8.5-40mm F1.3</p>	 <p>5-50mm F1.3</p>
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Accessories

ZM-L304N/P

Portable 4" Color Monitor

This portable, battery-powered monitor displays video signals from the camera. It can be used to adjust zoom and focus settings and check camera operation on location. Equipped with a video loop-through terminal, the image input from the camera can be viewed simultaneously on an external monitor. Uses (6) AA batteries. Case with sunshield and stand included.

NEW



System:	NTSC
Display Element:	High resolution, high color LCD (TFT-type LCD)
Screen Size:	4"
Resolution:	480 (V) x 234 (H)
Inputs:	Video IN terminal (VIDEO) BNC/Video Through terminal (THROUGH)
Panel Adjustments:	Power ON-OFF, Brightness
Power:	9VDC; six AA Alkaline Batteries AC adapter included
Operating Temp:	32°-104° F (0°-40°C)
Dimensions:	5"(W) x 3.8"(H) x 1.4"(D)

PSM-02

2.5" Color TFT-LCD Portable Service Monitor



2.5" color high resolution TFT LCD display. Manually adjustable color and brightness controls. Operates about eight hours on six AA alkaline batteries or can be used with plug-in transformer (supplied). Includes a hooded case with belt hook and sunshield.

CBF-1

Camera Back-Focusing Neutral Density Filter w/case



The CBF-1 Neutral Density Filter is used primarily to make the proper back focus adjustments when installing motorized zoom lenses. To assure that a zoom lens stays in focus throughout the zoom range, the camera must be backfocused when lens iris is wide open. The CBF-1 Neutral Density Filter is placed in front of

the lens to keep the auto-iris open during adjustment. The filter is 4" x 4" square and made of glass - not plastic - and has an ND rating of 3.0. The CBF-1 filter is an essential tool for the professional installer. Protective case included.

VM300

View Finder/Lens Selector



A valuable tool for both the seasoned professional and first-time installer. The viewfinder is an optical tool to help determine the required focal length. First look through the eyepiece and zoom in to the desired image. Then read the required focal length on the lens barrel. Covers 2/3", 1/2", 1/3", and 1/4" formats. A protective case and neck strap are included.

CMB Series

Camera Mounting Brackets



Camera mounting brackets available in 6" or 4" sizes in your choice of black or off-white. Aluminum construction with removable shaft and T-bar ceiling clips.

CMB-1: 6" Bracket, Black

CMB-2: 6" Bracket, White

CMB-3: 4" Bracket, Black

CMB-4: 4" Bracket, White

PS Series

Multiple 24VAC Indoor Master Power Supplies

24VAC, UL-listed, 4-, 8-, and 16-output power supplies. 115VAC 50/60Hz, 1.8-amp. For indoor use only.



PS-411A: 4 Output 100vA

PS-811A: 8 Output 100vA

PS-821A: 8 Output 175vA

PS-1621A: 16 Output 200vA

Single Power Supplies

12VDC & 24VAC Power Supplies



Three models offer solutions to meet different installation requirements. The C12DCR-500 provides 12 volts DC regulated 500 milliamps output; the C24AC provides 24 volts AC 20vA output; and the C24AC-40 provides 24 volts AC 40vA. The power supplies are UL-listed and plug into any 120 VAC duplex wall receptacle. For indoor use only.

GH-FWC24

Outdoor Housing w/Preassembled Power & Video Cables

NEW



This environmental housing kit is designed to accommodate most camera & lens combinations including 10X varifocals and 6X motorized zoom lenses. The kit includes a 24VAC heater, sunshield, and pre-wired power and video cable for quick and easy installation in the field.

- 24VAC power input
- IP 66 environmental rating
- Integrated 24VAC heater and sunshield
- Feed through mounting bracket conceals cables
- Accepts most common cameras with varifocals
- -4° F to +122° F operating temperature range



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