COSTAR VIDEO SYSTEMS

PRODUCT CATALOG

www.costarvideo.com

To our valued customers:

For over ten years we at Costar Video Systems have dedicated ourselves to becoming one of the leading manufacturers of electronic security products for the video surveillance market. Our security surveillance products and solutions consist of network and digital video recorders, network and analog surveillance cameras, monitors, lenses and other accessories, which are marketed under the Costar brand name.

We are pleased to introduce our latest product catalog. This catalog unveils our new corporate identity we implemented with our acquisition of CohuHD in June 2014.

Thanks to your valuable feedback we have made substantial additions to our product line. We will continue to keep updating you with the latest and greatest products, specification sheets, software and firmware downloads. Our new website along with our social media channels will help you stay up-to-date with us.

As always, we appreciate the opportunity to be your CCTV system provider.

Sincerely,

Jim Pritchett
President and CEO

COSTAR
TECHNOLOGIES, INC.

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VIDEO SYSTEMS

COHU
HD
COSTAR

IVSIMAGING

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Costar offers an extensive product line of video recorders and video management solutions, providing high quality recording solutions for any application. A variety of recording solutions are offered including digital video recorders (DVRs), hybrid video recorder (HVRs) and network video recorders (NVRs). Costar's recording solutions are all based on a common user management platform. Regardless of which Costar system you choose the end result is always the same, one common platform. Why risk having to re-program, re-train or abandon an entire platform because of technology changes? For over ten years Costar recorders have maintained the ability to upgrade with changing technologies and continue using the same video management platform.

FEATURES

Costar DVRs and NVRs include these features in addition to those listed for each product:

- H.264 codec compression
- Two-way audio communication
- 4-channel audio recording
  1-channel audio playback
- 4x digital zoom on playback
- USB mouse operation
  (mouse not included)
- Text interface for ATM applications
- Up to 64 user group programming
  Up to 256 individual user programming
- Video Motion Detection (VMD)
  Video Obscuration Detection (VOD)
- Recording modes: time-lapse, alarm,
  pre-event, panic and continuous
- Recording programmable options:
  schedule, record rate and image quality
- Up to 60 sec. pre-event recording
  Up to 30 sec. post-event recording
- Self-diagnostics with automatic notifications
  including hard drive S.M.A.R.T protocol
- Self-extractable clip copy for trouble free
  event review from DVD or USB

- Remote Access System (RAS+, iRAS, iNEX)
  software supports Static-IP, ADSL,
  DHCP, Dynamic-IP DVRNS
- PTZ camera control – more than 50
  specific protocols including Pelco D,
  Spectra, and StarDome Fastrax II
- Network Time Sync
  on the master server or slave
- Easy to program set-up wizard
- Visual reference mapping
- Remote system upgrade capability
- Remote access via Internet using
  Costar Webguard interface and/or
  free smart phone applications available
  for iOS or Android devices
- No recurring camera license fees
- Simultaneous remote connections:
  10 watch, 2 admin and 2 search
- Centralized monitoring of up to
  1,024 recording devices

EDGELINK TECHNOLOGY

Integrating analog and IP camera technology onto the same platform has never been easier with the help of Costar Video's Edgelink Technology. Edgelink Technology is included in all of Costar's recorders allowing them to encode analog camera streams. This allows for the convergence of analog and network camera video streams to be monitored and viewed on the same screen with the Costar user interface. The overwhelming majority of security systems today are based on analog camera technology. In the future when your analog cameras enter into their end of life stage, you can simply replace them with network cameras. The power of Edgelink Technology allows users to continue using analog cameras and begin the upgrade to network cameras on their own time table.

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Costar's Video Management Software
A Powerful Easy-to-use Platform...

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User Management

Due to the sensitive nature of recorded video, managing access is critical to the success of your CCTV system. Costar's user interface has a centralized user database which allows the system manager to manage all user authorities at once instead of device by device. System management can be delegated to the local level or managed at the corporate level. User management gives you the ability to select specific users' monitoring rights, add new users, rearrange authority groups or delete existing users with a single "click" of a button!

Reference Mapping

Costar's user interface utilizes advanced visual reference maps which allow users to navigate to every camera in the system with ease. Imagine being able to see the event triggered location with instant live monitoring from your system's enhanced map. For example, you can view video from the camera located at elevator 8, on the 5th floor, in building C within seconds with a single "click". Each map has the ability to hyperlink to 64 maps giving you the ability to cover your facility's system in detail. Easily manage live video, motion detection or view playback from a 2D or 3D floor plan map of your facility!

Logical Grouping

Monitoring a CCTV system can create a challenge for users when selecting specific cameras from multiple recording devices or locations. With Costar's user interface, grouping is based on individual cameras, not devices so you can logically group cameras together from either analog or digital recording devices. Logical grouping means you can watch a combination of cameras on one screen from different recording devices or locations at the same time by grouping them together!

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VIDEO SYSTEMS

E Series
CR4000E, CR8000E, CR1600E
Embedded Digital Video Recorder

4 CH | 8 CH | 16 CH | AUDIO | TEXT INTERFACE AIM | 1 HDD Bay

Features:
- 4, 8 or 16 channel BNC inputs
- Maximum of 120ips recording (CR4000E)
  Maximum of 240ips recording (CR8000E)
  Maximum of 480ips recording (CR1600E)
- VGA, BNC video monitor outputs
- Embedded Linux operating system

Part #	Channels	HDD Size
CR4000E	4	500GB, 1TB
CR8000E	8	500GB, 1TB. 2TB
CR1600E	16	500GB, 1TB, 2TB, 3TB

SP10 Series
CR8010SP, CR1610SP
Embedded Digital Video Recorder

8 CH | 16 CH | AUDIO | TEXT INTERFACE AIM | DVD | 3 HDD Bay

Features:
- 8 or 16 channel looping BNC inputs
- Maximum of 240 ips recording (CR8010SP)
  Maximum of 480 ips recording (CR1610SP)
- Up to 21TB using external eSATA storage
- HDMI, VGA, BNC video monitor outputs
- Embedded Linux operating system

Part #	Channels	HDD Size
CR8010SP	8	1TB, 2TB, 3TB
CR1610SP	16	1TB, 2TB, 3TB, 4TB, 6TB, 9TB

XDH Series
CR1600XDH
Embedded Hybrid Video Recorder

32 CH | AUDIO | TEXT INTERFACE AIM | DVD | 3 HDD Bay

Features:
- 32 channels inputs (16 channel IP +16 channel analog)
- Full HD live view resolution
- Maximum of 480 ips recording
- Up to 21TB using external eSATA storage
- Internal HDD disk mirroring capability
- HDMI, VGA, BNC video monitor outputs
- Embedded Linux operating system

Part #	Channels	HDD Size
CR1600XDH	32	1TB, 2TB, 3TB, 4TB, 6TB, 9TB

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CR Series
Digital Video Recorder

CR416R, CR432R

16 CH | **32 CH** | **AUDIO** | **TEXT INTERFACE** | **DVD** | **4 HDD Bay**

Features:
- 16 or 32 channel BNC inputs
  (CR416R had looping BNC outputs)
- Maximum of 480 ips recording (CR416R)
  Maximum of 960 ips recording (CR432R)
- VGA , BNC, spot video monitor outputs
- Eight USB 2.0 ports
- Embedded Windows XP operating system

Part #	Channels	HDD Size
CR416R	16	500GB, 1TB, 2TB, 3TB, 4TB
CR432R	32	1TB, 2TB, 3TB, 4TB

CRP Series
Digital Video Recorder

CRP116

16 CH | **AUDIO** | **TEXT INTERFACE** | **DVD** | **3 HDD Bay**

Features:
- 16 channel BNC inputs
- Maximum of 120 ips recording
- VGA, BNC video monitor outputs
- Six USB 2.0 ports
- Embedded Windows XP operating system

Part #	Channels	HDD Size
CRP116	16	500GB, 1TB, 2TB, 3TB, 6TB

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XDi Series and *DirectIP*™ Cameras

Costar's new XDi Series Network Video Recorders are designed to automatically assign IP addresses to cameras utilizing DirectIP technology. The DirectIP cameras are part of the XDi Series product line and designed to self-configure on the network and begin recording within minutes of installation. Unlike other self-configuring systems, Costar's XDi system is targeted at enterprise level applications by delivering a complete solution that can support over 1,000 XDi recorders for a total of over 32,000 cameras. The XDi recorders have dual network capability which allows for separation between LAN and WAN connections. One network is designated to camera streaming and one network is used for end user access resulting in a single IP address. The XDi recorders are offered in a 4, 8, 16 or 32 channel models and are expandable up to 36 terabytes using additional eSATA storage.

XDi Series
Embedded Network Video Recorder

CR4000XDi, CR8000XDi, CR1600XDi, CR3200XDi

Features:
- 4 channel HD recording
  4 channel PoE switch built in with 2HDD bays
- 8, 16 or 32 channel HD recording
  8 channel PoE switch built in with 4HDD bays
  expandable to 16 or 32 channels using XDi PoE switches
  Up to 36TB using external eSATA storage
- HDMI and VGA video monitor outputs
- Self-configures when used with DirectIP cameras
- Embedded Linux operating system

Part #	Channels	HDD Size
CR4000XDi	4	1TB, 2TB, 3TB, 6TB,
CR8000XDi	8	1TB, 2TB, 3TB, 6TB, 9TB, 12TB
CR1600XDi	16	1TB, 2TB, 3TB, 6TB, 9TB, 12TB
CR3200XDi	32	1TB, 2TB, 3TB, 6TB, 9TB, 12TB

CRIS12, CRIS28
XDi Gigabit PoE Switch

Features:
- 8 or 24 port PoE switch
- Individual port data transmission to NVR
- IEEE 802.1 x Network Login
- SSH encrypted data protection
- DirectIP protocol support with bi-directional communication and health monitoring
- Power over Ethernet (PoE)

CRI4000VS, CRI8000VS
XDi Analog Video Encoders

Features:
- 4 or 8 channel encoder
- Supports 4 audio input ports
- Supports 4 or 8 analog camera input ports
- Supports quadruple stream
- Supports PTZ control via RS485
- DirectIP protocol support
- Power over Ethernet (PoE) or DC12V

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iNEX SN Series
Embedded Network Video Recorder

CRINEXSN04, CRINEXSN08, CRINEXSN16

Features:
- 4, 8 or 16 channel
- Real-time HD recording
- Network Area Storage (NAS) System
- Supports up to 10 LAN and 2 WAN remote connections
- Supports up to 128 IP cameras and 16 recorders
- Embedded Linux operating system

Part #	Channels	HDD Size
CRINEXSN04	4	2TB, 4TB
CRINEXSN08	8	2TB, 4TB, 6TB
CRINEXSN16	16	2TB, 4TB, 6TB

iNEX Standard Series 2U
Network Video Recorder

CRINEX08R, CRINEX16R

Features:
- 8 or 16 channel
- Real-time HD recording
- Supports up to 64 LAN and 20 WAN remote connections
- Supports up to 256 IP cameras and 1,024 recorders
- 2U rack mountable
- Windows operating system

Part #	Channels	HDD Size
CRINEX08R	8	2TB, 3TB, 6TB
CRINEX16R	16	2TB, 3TB, 6TB

iNEX Standard Series 4U
Network Video Recorder

CRINEX16, CRINEX24, CRINEX32

Features:
- 16, 24 or 32 channel
- Real-time HD recording
- Supports up to 64 LAN and 20 WAN remote connections
- 4U rack mountable
- Windows operating system

Part #	Channels	HDD Size
CRINEX16	16	2TB, 4TB, 6TB, 9TB, 12TB, 15TB, 18TB, 21TB
CRINEX24	24	2TB, 4TB, 6TB, 9TB, 12TB, 15TB, 18TB, 21TB
CRINEX32	32	2TB, 4TB, 6TB, 9TB, 12TB, 15TB, 18TB, 21TB, 24TB, 27TB, 30TB

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Edge Video Recorder
Embedded Digital Video Recorder

CR8000EV, CR1600EV

| 8 CH | 16 CH | AUDIO | AIM TEXT INTERFACE | 2 HDD Bay |

Features:
- 8 or 16 channel BNC inputs
- Network attached decoder and recorder for iNEX system
- Maximum of 240ips recording (CR8000EV)
  Maximum of 480ips recording (CR1600EV)
- VGA, BNC video monitor outputs
- Embedded Linux operating system

Part #	Channels	HDD Size
CR8000EV	8	1TB, 2TB, 3TB, 4TB
CR1600EV	16	1TB, 2TB, 3TB, 4TB

Extended Video Storage
Storage Device

CREVS4R

| 4 HDD Bay |

Features:
- Supports up to 4 HDD bays
- Up to 3.0 Gbps data transfer rate
- Enhances data stability and performance with RAID (0, 1+0, 5)
- Directly connects to iNEX SN, iNEX, XDH and XDi Series reorders
- 1U and 19" rack mountable

Part #	HDD Bays	HDD Size
CREVS4R	4	3TB, 6TB, 9TB, 12B

CR1000INR, CR4000INR
1 or 4 Channel Video Decoder

Features:
- 1 or 4 channel decoder
- Two-way audio communication
- Video monitor outputs:
  1 VGA, 1 BNC
- 60 PTZ protocols supported
- ONVIF supported
- Power over Ethernet (PoE) or DC12V / AC24V

CR1000INT, CR4000INT
1 or 4 Channel Video Encoder

Features:
- 1 or 4 channel encoder
- Two-way audio communication
- Motion detection
- Dual IP streaming
- Cross web-browsing
- ONVIF supported
- Power over Ethernet (PoE) or DC12V / AC24V

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ANALOG
CAMERA SOLUTIONS

Costar offers a large selection of analog cameras, providing high quality video solutions for any professional indoor or outdoor video surveillance application. A variety of styles and housings are offered including dome, bullet, box, PTZ and specialty cameras. Costar's analog cameras perform well across a variety of lighting and motion conditions with features such as low light technology, Back Light Compensation (BLC) or Wide Dynamic Range (WDR). In the following section, each camera is labeled with an accessory code. These letters will assist you in matching it to the compatible accessories found in the accessories section.

Camera Solutions Glossary

Back Light Compensation (BLC) > a feature that allows the camera to adjust the exposure of an image to properly expose the subject in the foreground. BLC takes the entire image and adjusts the amount of light coming into the camera and electronically lightens the subject. BLC is necessary for improving image quality when a brightly lit background would normally make the subject of interest appear as a dark silhouette.

Digital Noise Reduction (DNR) > a feature that allows the camera to adjust the noise of an image in low-light settings to produce a clearer image and smaller video file size. DNR takes the entire image and removes noise from the video signal by applying a digital comb filter.

Digital Slow Shutter (DSS) > a feature that allows the camera to slow down the electronic shutter to allow additional light to be captured by the sensor. DSS takes the entire image and adjusts the amount of light coming into the camera by slowing down the shutter speed. DSS is necessary for improving image quality and low-light performance.

Digital Wide Dynamic Range (D-WDR) > a feature based on WDR that only takes one sample of the image before digitally adjusting the exposure.

International Protection Rating (IP Rating) > sometimes known as the Ingress Protection Rating consists of the letters IP followed by two digits that classify the degrees of protection. The first digit, ranging from 0-6, indicates the level of protection that the enclosure provides against solid objects (e.g. wires, screws, dust). The second digit, ranging from 0-8, indicates the level of protection that the enclosure provides against water. An example is the IP66 rating, meaning that your camera is dust tight and water resistant from high pressure jets.

Minimum Illumination > the smallest amount of light necessary for a camera to produce a quality image. Minimum illumination is presented in lux, which is a measure of luminance.

ONVIF (Open Network Video Interface Forum) > an open industry forum for the development of a global standard for the interface of network video products. More information about this forum can be found on their website, www.onvif.com.

Power over Ethernet (PoE) > allows cameras connected to an Ethernet network to be powered by the same cable used for data communication. Cameras with PoE technology eliminate the need for a power outlet at each camera location. The camera can be powered over the network which provides a significant installation cost and increases system flexibility.

Remote Focus (RF) > remotely controlling the focus and viewing angle of a camera from a computer on the network. RF technology eliminates the need for manual focusing and field of view adjustment at the camera location.

Wide Dynamic Range (WDR) > a feature that digitally adjusts the exposure in areas of the frame to maintain detail in both the shadows and highlights of the image. WDR takes two samples of the image, one at slow shutter speed for the bright area and one at fast shutter speed for the dark area, and combines them into one image. WDR is necessary for image quality when bright and dark areas are both present in the field of view.

CDC3510MF, CDC3550MF
Indoor Dome Camera

Features:
- 600 TV lines of resolution
- 2.8-12 mm lens (CDC3510MF) or 5-50 mm lens (CDC3550MF)
- 1/3" Sony CCD image sensor
- Day/night with DSS technology
- Digital Wide Dynamic Range (D-WDR)
- DC12V or AC24V

Available in a back chassis - add 'B' to the end of the part ##

	600 TV Lines	DAY/NIGHT	D-WDR	12V 24V
Accessories	C, P, V			

CDC3510MFW
Indoor Pixim WDR Dome Camera

Features:
- 690 H-TV lines of resolution
- 2.8-12 mm lens
- 1/3" Pixim Seawolf image sensor
- Day/night with DSS technology
- Wide Dynamic Range (WDR)
- DC12V or AC24V

Available in a back chassis - add 'B' to the end of the part #

	690 H-TV Lines	DAY/NIGHT	WDR	12V 24V
Accessories	C, P, V			

CDC3512MFX
Indoor Extreme Performance Dome Camera

Features:
- 600 TV lines of resolution
- 2.8-12 mm lens
- 1/3" Sony CCD image sensor
- Day/night with DSS technology
- Back light compensation (BLC)
- DC12V or AC24V

Available in a back chassis - add 'B' to the end of the part #

	600 TV Lines	DAY/NIGHT	BLC	12V 24V
Accessories	C, P, V			

CDC3512MFWX
Indoor Extreme Performance WDR Dome Camera

Features:
- 600 TV lines of resolution
- 2.8-12 mm lens
- 1/3" Sony CCD image sensor
- Day/night with DSS technology
- Wide Dynamic Range (WDR)
- DC12V or AC24V

Available in a back chassis - add 'B' to the end of the part #

	600 TV Lines	DAY/NIGHT	WDR	12V 24V
Accessories	C, P, V			

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CDC3613FE
Outdoor Vandal Dome Camera

Features:
- 600 TV lines of resolution
- 2.8-12 mm lens
- 1/3" Sony CCD image sensor
- True day/night with DSS technology
- Back light Compensation (BLC)
- IP66 weatherproof rated
- DC12V or AC24V

Available with a heater, UTP, or both - Add 'H', 'U' or 'HU' to the end of the part #

Accessories	Q, Y, BB, CC

CDC3613FEIR
Outdoor Vandal IR Dome Camera

Features:
- 600 TV lines of resolution
- 2.8-12 mm lens
- 1/3" Sony CCD image sensor
- True day/night with IR cut filter
- 36 IR LEDs with a 115 foot (35 m) range
- Back light Compensation (BLC)
- IP66 weatherproof rated
- DC12V or AC24V
  Available with a heater, UTP, or both - Add 'H', 'U' or 'HU' to the end of the part #

Accessories	Q, Y, BB, CC

CDC3613FEW
Outdoor Vandal WDR Dome Camera

Features:
- 600 TV lines of resolution
- 2.8-12 mm lens
- 1/3" Sony Super HAD Double Scan CCD image sensor
- True day/night with DSS technology
- Wide Dynamic Range (WDR)
- IP66 weatherproof rated
- DC12V or AC24V

Available with a heater, UTP, or both - Add 'H', 'U' or 'HU' to the end of the part #

Accessories	Q, Y, BB, CC

CDC3651FEW
Outdoor Vandal WDR Dome Camera

Features:
- 600 TV lines of resolution
- 5-50 mm lens
- 1/3" Sony Super HAD Double Scan CCD image sensor
- True day/night with DSS technology
- Wide Dynamic Range (WDR)
- IP66 weatherproof rated
- DC12V or AC24V

Available with a heater, UTP, or both - Add 'H', 'U' or 'HU' to the end of the part #

Accessories	Q, Y, BB, CC

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CDC3611IRVA
Outdoor IR Ball Camera

Features:
- 620 TV lines of resolution
- 2.8-12 mm DC auto iris lens
- 1/3" Sony Super HAD II Color CCD image sensor
- True day/night with IR cut filter
- 42 Smart IR LEDs with a 115 foot (35 m) range
- Digital Wide Dynamic Range (D-WDR)
- IP66 weatherproof rated
- DC12V or AC24V

| 620 TV Lines | DAY NIGHT | IR | D-WDR | IP66 | 12V 24V |

| Accessories | X, BB, CC |

CDC3724V
Outdoor Mini Dome Camera

Features:
- 700 TV lines of resolution
- 2.4 mm fixed lens for a 90 field of view
- 1/3" Sony Super HAD II Color CCD image sensor
- Day/night
- IP66 weatherproof rated
- DC12V

| 700 TV Lines | DAY NIGHT | IP66 | 12V |

CDC3736V
Outdoor Mini Dome Camera

Features:
- 700 TV lines of resolution
- 3.6 mm fixed lens for a 90° field of view
- 1/3" Sony Super HAD II Color CCD image sensor
- Day/night
- IP66 weatherproof rated
- DC12V

| 550 TV Lines | DAY NIGHT | IP66 | 12V |

CDC3536VF
Outdoor Mini Flush Mount Dome Camera

Features:
- 550 TV lines of resolution
- 3.6 mm fixed lens for a 90° field of view
- 1/3" Sony Super HAD II Color CCD image sensor
- Day/night
- IP66 weatherproof rated
- DC12V

| 550 TV Lines | DAY NIGHT | IP66 | 12V |

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CDC2450MT, CDC2450MTO
Outdoor Pan Tilt Zoom Dome Camera

Features:
- 580 TV lines of resolution
- 3.9-85.8 mm with 22x auto focus lens
- 1/4" Sony ExView HAD image sensor
- True day/night with IR cut filter
- Wide Dynamic Range (WDR)
- IP66 weatherproof rated
  with heater and blower included (CDC2450MTO)
- DC12V or AC24V

Accessories	D, F, I, W

CDC2500HX, CDC3600X
Outdoor Pan Tilt Zoom Dome Cameras

Features:
- 580 TV lines of resolution
  3.9-85.8 mm with 22x optical zoom lens (CDC2500HX)
- 540 TV lines of resolution
  3.4-122 mm with 36x optical zoom lens (CDC3600X)
- 1/4" Sony Super HAD CCD II image sensor
- True day/night with IR cut filter
- Wide Dynamic Range (WDR)
- AC24V

Accessories	D, F, H, I, N, O

CBC3611IR, CBC3651IR
Outdoor IR Bullet Camera

Features:
- 600 TV lines of resolution
- 2.8-12 mm lens (CBC3611IR)
- 5-50 mm lens (CBC3651IR)
- 1/3" Sony Super HAD image sensor
- True day/night with IR cut filter
- 42 IR LEDs with a 165 foot (50 m) range
- Wide Dynamic Range (WDR)
- IP66 weatherproof rated
- DC12V or AC24V

Accessories	A

CBC3611M, CBC3651M
Outdoor Bullet Camera

Features:
- 600 TV lines of resolution
- 2.8-12 mm lens (CBC35611M)
- 5-50 mm lens (CBC3651M)
- 1/3" Sony Super HAD image sensor
- True day/night with IR cut filter
- Wide Dynamic Range (WDR)
- IP66 weatherproof rated
- DC12V or AC24V

Accessories	A

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CBC3710LIR
Outdoor IR Bullet Camera

Features:
- 700 TV lines of resolution
- 2.8-12 mm auto iris and vari-focal lens
- 1/3" Sony Super HAD CCD image sensor
- True day/night with IR cut filter
- 18 IR LEDs with a 98 foot (30 m) range
- IP65 weatherproof rated
- DC12V or AC24V

CBC3600LFIR
Outdoor IR Bullet Camera

Features:
- 600 TV lines of resolution
- 3.6 mm lens
- 1/3" Sony Super HAD CCD image sensor
- True day/night with IR cut filter
- 24 IR LEDs with a 60 foot (18 m) range
- Back light Compensation (BLC)
- IP66 weatherproof rated
- DC12V

CBC3600LIR
Outdoor IR Bullet Camera

Features:
- 600 TV lines of resolution
- 4-9 mm lens
- 1/3" Sony Super HAD CCD image sensor
- True day/night with IR cut filter
- 18 IR LEDs with a 45 foot (14 m) range
- Back light Compensation (BLC)
- IP66 weatherproof rated
- DC12V

CBC3600L
Outdoor Bullet Camera

Features:
- 600 TV lines of resolution
- 4-9 mm lens
- 1/3" Sony Super HAD CCD image sensor
- True day/night with IR cut filter
- Back light Compensation (BLC)
- IP66 weatherproof rated
- DC12V

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CCC3610
Box Camera

Features:
- 600 TV lines of resolution
- Lens not included
- 1/3" Sony Super HAD CCD image sensor
- True day/night with IR cut filter
- Digital Wide Dynamic Range (D-WDR)
- DC12V or AC24V

600 TV Lines	DAY NIGHT	D-WDR	12V 24V

Accessories	Z, AA, GG, HH

CCC3600NWD
Box Camera

Features:
- 650 TV lines of resolution
- Lens not included
- 1/3" Sony Super HAD CCD image sensor
- True day/night with IR cut filter
- Wide Dynamic Range (WDR)
- DC12V or AC24V

650 TV Lines	DAY NIGHT	WDR	12V 24V

Accessories	Z, AA, GG, HH

CCC3525NWD
Box Camera

Features:
- 690 H-TV lines of resolution
- Lens not included
- 1/3" PIXIM WDR Seawolf image sensor
- True day/night with DSS technology
- Wide Dynamic Range (WDR)
- DC12V or AC24V

690 H-TV Lines	DAY NIGHT	WDR	12V 24V

Accessories	Z, AA, GG, HH

CCC3520NWDC
Mini Box Camera

Features:
- 690 H-TV lines of resolution
- 3.3 mm wide angle pinhole lens
- 1/3" PIXIM WDR Seawolf image sensor
- Wide Dynamic Range (WDR)
- DC12V

690 H-TV Lines	DAY NIGHT	WDR	12V

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CCC3643NB
Mini Box Camera

Features:
- 700 TV lines of resolution
- 4.3 mm fixed pinhole lens
- 1/3" Sony ExView HAD CCD II image sensor
- Day/night
- Digital Wide Dynamic Range (D-WDR)
- DC12V

CCC3602JC
Mini Door Jam Camera

Features:
- 600 TV lines of resolution
- 2.8 mm fixed wide angle lens
- 1/3" Color CCD image sensor
- Day/night
- Back light Compensation (BLC)
- Available in black, silver or bronze to match door mullion
- DC12V

  Available in black, silver or bronze - Add 'BK', 'S' or 'BR' to the end of the part #

CCC2635WM
Wall Plate Camera

Features:
- 600 TV lines of resolution
- 1.5 mm fixed wide angle lens
- 1/4" Sony Super HAD II image sensor
- Day/night
- Back light Compensation (BLC)
- IP67 weatherproof rated
- DC12V

CCC3602TBW
Tower Camera

Features:
- 690 H-TV lines of resolution
- 3.6 mm fixed lens
- 1/3" Pixim Seawolf CMOS image sensor
- Day/night
- Wide Dynamic Range (WDR)
- DC12V

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CCC3400PX
Mini Height Strip Camera

Features:
- 600 TV lines of resolution
- 3.7 mm flat pinhole lens
- 1/3" 3 image sensor
- Day/night
- Covertly captures and identifies facial images regardless of hats
- Available in black or silver to match door mullion
- Can be mounted vertically or horizontally
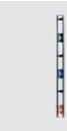- Compact 5" design
- DC12V

CCC3400PD
Height Strip Camera

Features:
- 600 TV lines of resolution
- 3.7 mm flat pinhole lens
- 1/3" image sensor
- Day/night
- Covertly captures and identifies facial images regardless of hats
- Available in black or silver to match door mullion
- DC12V

www.costarvideo.com ★ 1-888-694-7827 (STAR)

T O
CA E A SOL T ONS

Costar offers a large selection of network cameras, providing high quality video solutions for any professional indoor or outdoor video surveillance application. A variety of styles and housings are offered including dome, box, bullet, PTZ and other specialty cameras. Costar's network cameras use megapixel technology to provide higher resolution video with more image detail. Costar's network cameras have the ability to be powered over the network with Power over Ethernet (PoE) technology, eliminating the need for a power outlet at each camera location or pulling multiple cables. In the following section, each camera is labeled with an accessory code. These letters will assist you in matching it to the compatible accessories found in the accessories section.

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Why Use Network Cameras?

A prominent trend in the video surveillance industry today is the evolutionary shift from traditional analog cameras to the newer network cameras. Network cameras, also known as an IP cameras, present many advantages such as higher image quality, digital zoom capability, remote accessibility, easy installation and cost-effectiveness.

High Image Quality

Network cameras use megapixel technology to provide higher resolution video with more image detail than analog cameras.

Class	Resolution	Pixels
VGA	640x480	307,200
720p (HD)	1280x720	921,600
1.3 MP	1280x1024	1,310,000
1080p (HD)	1920x1080	2,073,000
5 MP	2592x1944	5,038,848

Digital Zoom Capability

Network cameras provide greater image details through digital zoom capability, which is helpful in identifying people and objects in surveillance video. When using wide viewing angles, network cameras can provide a wider area of coverage than analog cameras. This means that you have an increased pixels per foot ratio, allowing you to use fewer cameras to cover wide areas.

Remote Accessibility

Network cameras use a wired or wireless network to transport digital video, audio and other data. Network cameras and video encoders can be accessed remotely, enabling multiple, authorized users to view live and recorded video from virtually any networked location in the world.

Easy Installation

Network cameras with Power over Ethernet (PoE) technology can also use the network for power, eliminating the need for a power outlet at each camera location or pulling multiple cables. PoE technology provides significant installation savings and increases system flexibility.

The video surveillance industry is certainly not a static one, with new technology and industry trends developing every year. Costar has aligned itself with the current industry trends and continues to provide the latest technology for their customers. Costar introduced a recording platform, which allows customers to seamlessly integrate their existing analog video system with new network video products. To learn more about Costar's integration of analog and network systems, please refer back to pages 2-3.

CDI2109VIR
2 Mega Pixel Outdoor IR Dome Camera

Features:
- 2 mega pixel resolution (1080p)
- 3-9 mm vari-focal lens
- 1/2.7" CMOS Progressive Scan image sensor
- 18 IR LEDs with a 65 foot (20 m) range
- True day/night with IR cut filter
- Digital Wide Dynamic Range (D-WDR)
- IP66 weatherproof rated
- Power over Ethernet (PoE) or DC12V
  Available with a heater - CDI2109VIRH

Accessories	II, JJ

CDI2109IR
2 Mega Pixel Indoor IR Dome Camera

Features:
- 2 mega pixel resolution (1080p)
- 3-9 mm vari-focal lens
- 1/2.7" CMOS Progressive Scan image sensor
- 18 IR LEDs with a 65 foot (20 m) range
- True day/night with IR cut filter
- Digital Wide Dynamic Range (D-WDR)
- Digital Noise Reduction (DNR)
- Power over Ethernet (PoE) or DC12V

Accessories	II, JJ

CDI2109
2 Mega Pixel Indoor Dome Camera

Features:
- 2 mega pixel resolution (1080p)
- 3-9 mm vari-focal lens
- 1/2.7" CMOS Progressive Scan image sensor
- True day/night with IR cut filter
- Digital Wide Dynamic Range (D-WDR)
- Digital Noise Reduction (DNR)
- Power over Ethernet (PoE) or DC12V

Accessories	II, JJ

CDI2134
2 Mega Pixel Indoor Dome

Features:
- 2 mega pixel resolution (1080p)
- 4.0 mm fixed focal lens
- 1/2.7" CMOS Progressive Scan image sensor
- Day/night
- Digital Wide Dynamic Range (D-WDR)
- Digital Noise Reduction (DNR)
- Power over Ethernet (PoE) or DC12V

Accessories	II, JJ

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CDI2110IRF

2 Mega Pixel Outdoor IR Dome Camera With Remote Focus

Features:
- 2 mega pixel resolution (1080p)
- 3-10 mm auto iris and vari-focal lens
- 1/2.7" CMOS Progressive Scan image sensor
- 18 IR LEDs with a 65 foot (20 m) range
- Remote focus capability and zoom control
- True day/night with IR cut filter
- Digital Wide Dynamic Range (D-WDR)
- Digital Noise Reduction (DNR)
- Power over Ethernet (PoE) or DC12V
  Available in indoor model without IRs - CDI2110RF

Direct IP™

Accessories	II, JJ

CDI5112VIR

5 Mega Pixel Outdoor IR Dome Camera

Features:
- 5 mega pixel resolution
- 3.3-12 mm vari-focal DC auto-iris IR corrected lens
- 1/2.5" Aptina CMOS Progressive Scan image sensor
- 25 Super Flux IR LEDs with a 65 foot (20 m) range
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG)
- IP66 weatherproof rated
- Power over Ethernet (PoE) or DV12V

Accessories	E

CDI2112VTIR

2 Mega Pixel Outdoor IR Dome Camera

Features:
- 2 mega pixel resolution (1080p)
- 3.3-12 mm vari-focal IR corrected lens
- 1/2.8" Sony Exmor CMOS Progressive Scan image sensor
- 15 IR LEDs with a 65 foot (20 m) range
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG)
- IP66 weatherproof rated
- Power over Ethernet (PoE) or DC12V

Accessories	E, BB, CC

CDI2136VIR

2 Mega Pixel Outdoor IR Dome Camera

Features:
- 2 mega pixel resolution (1080p)
- 3.6 mm fixed mega pixel IR coasted lens
- 1/2.8" CMOS Progressive Scan image sensor
- 1 Super Flux IR LED with a 20 foot (6 m) range
- Day/night
- Multiple compression (H.264, MJPEG)
- IP66 weatherproof rated
- Power over Ethernet (PoE) or DC12V

CDIH226VIRF

2 Mega Pixel Outdoor IR Dome Camera With Remote Focus

Features:
- 2 mega pixel resolution (1080p)
- 3-9 mm auto iris and vari-focal lens
- 1/2.7" CMOS Progressive Scan image sensor
- Remote focus capability and zoom control
- 24 IR LEDs with a 65 foot (20 m) range
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG, MPEG-4)
- IP66 weatherproof rated
- Power over Ethernet (PoE), DC12V or AC24V

Accessories	F, G, U, W

CDIH226V

2 Mega Pixel Outdoor Dome Camera

Features:
- 2 mega pixel resolution (1080p)
- 3-9 mm auto iris and vari-focal lens
- 1/2.7" CMOS Progressive Scan image sensor
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG, MPEG-4)
- IP66 weatherproof rated
- Power over Ethernet (PoE), DC12V or AC24V

Accessories	F, G, U, W

CDIH209RF

2 Mega Pixel Indoor Dome Camera With Remote Focus

Features:
- 2 mega pixel resolution (1080p)
- 3-9 mm auto iris and vari-focal lens
- 1/2.7" CMOS Progressive Scan image sensor
- Remote focus capability and zoom control
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG, MPEG-4)
- Power over Ethernet (PoE) or DC12V

Accessories	S

CDIH109

2 Mega Pixel Indoor Dome Camera

Features:
- 2 mega pixel resolution (1080p)
- 3-9 mm auto iris and vari-focal lens
- 1/2.7" CMOS Progressive Scan image sensor
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG, MPEG-4)
- Power over Ethernet (PoE) or DC12V

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CBI5112IR
5 Mega Pixel Outdoor IR Bullet Camera

Features:
- 5 mega pixel resolution
- 3.3-12 mm vari-focal IR corrected lens
- 1/2.5" Aptina CMOS Progressive Scan image sensor
- 13 Super Flux and 2 Giant Super Flux IR LEDs
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG)
- IP66 weatherproof rated
- Power over Ethernet (PoE) or DC12V

Accessories	E

CBI2112XIR
2 Mega Pixel Extreme Outdoor IR Bullet Camera

Features:
- 2 mega pixel resolution (1080p)
- 3.3-12 mm vari-focal IR corrected lens
- 1/2.8" Sony Exmor image sensor
- 25 Super Flux IR LEDs
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG)
- IP66 weatherproof rated
- Power over Ethernet (PoE) or DC12V

Accessories	E, BB, CC

CBI2112IR
2 Mega Pixel Outdoor IR Bullet Camera

Features:
- 2 mega pixel resolution (1080p)
- 3.3-12 mm vari-focal IR corrected lens
- 1/2.8" Sony Exmor image sensor
- 8 Super Flux and 2 Giant Super Flux IR LEDs
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG)
- IP66 weatherproof rated
- Power over Ethernet (PoE) or DC12V

Accessories	E

CBI2109IRF
2 Mega Pixel Outdoor IR Bullet Camera With Remote Focus

Features:
- 2 mega pixel resolution (1080p)
- 3-9 mm motorized focus zoom lens
- 1/2.8" CMOS Progressive Scan image sensor
- Remote focus capability and zoom control
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG)
- IP66 weatherproof rated with a heater
- Power over Ethernet (PoE) or DC12V

Direct IP™

Accessories	BB, CC

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CCI5100
5 Mega Pixel Box Camera

Features:
- 5 mega pixel resolution
- Lens not included
- 1/2.7" Aptina CMOS image sensor
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG)
- Power over Ethernet (PoE) or DC12V

Accessories	Z, AA, GG, HH

CCI2100
2 Mega Pixel Box Camera

Features:
- 2 mega pixel resolution (1080p)
- Lens not included
- 1/2.7" CMOS Progressive Scan image sensor
- True day/night with IR cut filter
- Digital Wide Dynamic Range (D-WDR)
- Multiple compression (H.264, MJPEG)
- Power over Ethernet (PoE) or DC12V

Direct IP™

Accessories	Z, AA, GG

CCI2100M
2 Mega Pixel Box Camera

Features:
- 2 mega pixel resolution (1080p)
- 3.6 mm micro lens included
- 1/2.8" CMOS Progressive Scan image sensor
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG)
- Power over Ethernet (PoE), DC12V or AC24V

Accessories	Z, AA, GG, HH

CCIH200
2 Mega Pixel Box Camera

Features:
- 2 mega pixel resolution (1080p)
- Lens not included
- 1/2.7" CMOS Progressive Scan image sensor
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG)
- Power over Ethernet (PoE), DC12V or AC24V

Accessories	Z, AA, GG, HH

CCI2138PX
2 Mega Pixel Mini Height Strip Camera

Features:
- 2 mega pixel resolution (1080p)
- 3.8 mm F2.0 fixed mega pixel lens
- 1/2.8" CMOS Progressive Scan image sensor
- Day/night
- Multiple compression (H.264, MJPEG)
- Covertly captures and identifies facial images regardless of hats
- Available in black or silver to match door mullion
- Power over Ethernet (PoE) or DC12V

CCIH200SC
2 Mega Pixel Height Strip Camera

Features:
- 2 mega pixel resolution (1080p)
- 3.8 mm F2.0 fixed mega pixel lens
- 1/2.8" CMOS Progressive Scan image sensor
- Day/night
- Multiple compression (H.264, MJPEG, MPEG-4)\
- Covertly captures and identifies facial images regardless of hats
- Available in black or silver to match door mullion
- Power over Ethernet (PoE) or DC12V

CDI2118PZ
2 Mega Pixel Pan Tilt Zoom Camera

Features:
- 2 mega pixel resolution (1080p)
- 4.7-84 mm auto focus lens
- 1/2.8" CMOS Progressive Scan image sensor
- 18x optical
- True day/night with IR cut filter
- Digital Wide Dynamic Range (D-WDR)
- IP66 weatherproof rated
- Power over Ethernet (PoE), DC12V or AC24V

Direct IP

Accessories	KK, LL, MM

CDI2112PZ
2 Mega Pixel Pan Tilt Zoom Camera

Features:
- 2 mega pixel resolution (1080p)
- 5.32-62.61 mm auto focus lens
- 1/2.8" Sony Exmor CMOS Progressive Scan image sensor
- 12x optical and 16x digital zoom
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG, MPEG-4)
- IP66 weatherproof rated
- Power over Ethernet (PoE), DC12V or AC24V

Accessories	F, T, W

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CA A
ACCESSO ES

Costar offers a wide range of accessories to complement its camera product line allowing you to install a complete video surveillance solution. Whether your cameras need to be installed in challenging outdoor applications or mounted on ceilings, walls or corners, you can find the right accessories to complete the installation. In the following section, each accessory is labeled with a letter that will assist you in matching it to the compatible cameras. Some accessories are also labeled with an accessory code because they are compatible with other accessories in this section.

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CBCJB   A
Junction Box

Accessories	BB, CC

CD3000CM   B
Drop Ceiling Support, Indoor
Uses 3/4" Rigid Conduit

Accessories	C, V

CD3000PMW   C
Pendant Mount Dome Cover, Indoor
Uses 3/4" Rigid Conduit

Accessories	B

CD8A   D
Expander

CDAJB10   E
Junction Box

Accessories	BB, CC

CDC2440   F
Flush Mount Bracket, Indoor

Accessories	G

CDC2490   G
Ceiling Support, Indoor

Accessories	F, H

CDC2545   H
Drop Ceiling Kit, Indoor

Accessories	G

CDC2550LX   **I**
Keyboard

CDC2580   **J**
Parapet / Rooftop Mount

Accessories	N, O

CDC2600CL   **K**
Pendant Mount

Accessories	N, O

CDC2600PBK   **L**
Power Box

Accessories	N, O

CDC2600WM   **M**
Wall Mount

Accessories	N, O

CDC2660   **N**
Outdoor Housing

Accessories	J, K, L, M

CDC2670   **O**
Indoor Housing

Accessories	J, K, L, M

CDCFLEXIT   **P**
Trim Ring, Indoor

Also in black - CDCFLEXITB

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CDHKFE   Q
Heater & Blower

CDHKM   R
Heater

CDIH200MP   S
Adapter Plate

Accessories	C

CDIHMTHK   T
Heater

CDIHRFC   U
Remote Focus Controller

CDMCP   V
Pendant Mount, Indoor

Also in black - CDMCPB

Accessories	B

CDMKM   W
Wall / Pendant Mount, Outdoor

Accessories	BB, CC

CDMKV   X
Wall Mount, Outdoor

Accessories	BB, CC

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CDMKVFE   Y
Wall Mount, Outdoor

Accessories	BB, CC

CHG2000   Z
Wall / Ceiling Mount

Also in black - CHG2000B

CHG2200   AA
Drop Ceiling Mount

CHG2501   BB
Corner Mount Adapter

Accessories	A, M W, X, Y, EE, LL

CHG2511   CC
Pole Mount Adapter

Accessories	A, M W, X, Y, EE, LL

CHG2700W   DD
Wall Bracket, Outdoor

Accessories	GG

CHG2710   EE
Wall Bracket, Outdoor

Accessories	BB, CC, HH

CHG2720   FF
"J" Ceiling Mount, Outdoor

Accessories	GG

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CHG3000W   GG
Weatherproof Enclosure
With Heater & Blower

| Accessories | DD, FF |

CHG3200S   HH
Weatherproof Enclosure
With Secure Cable Feed-thru

With heater & blower:
CHG3200SHB

| Accessories | EE |

CDMPM10   II
Pendant Mount, Indoor/Outdoor

CDMWM10   JJ
Wall Mount, Indoor/Outdoor

| Accessories | BB, CC |

CDMPM20   KK
Pendant Mount, Outdoor

CDMWM20   LL
Wall Mount, Indoor/Outdoor

CDASS18   MM
Sun Shield

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O TO SOL T ONS

Costar offers a selection of monitors and displays designed specifically for the security industry, allowing you to build a complete video surveillance system. Costar's monitors deliver the latest in LCD and LED backlight technology for high quality display of video. Costar monitors provide unique features for security applications such as professional BNC connectors vs. consumer RCA connectors, multiple inputs and looping outputs.

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CMC19LCD
19" LCD Monitor

Features:
- 19" LCD monitor
- Camera not included
- VGA, DVI and HDMI video inputs
- 1080 x 1024 display resolution
- 100 mm standard VESA mounting pattern
- Desk stand included

Accessories	NN, OO

CMC2010PVC
CMC2010WPVC
20.1" LCD Public View Monitor

Features:
- 20.1" LCD monitor
- 580 TV Lines of resolution
- 6 mm fixed lens
- BNC video input/output
- 1600 x 1200 display resolution
- 100 mm standard VESA mounting pattern

Accessories	NN, OO

CMC19LED
19" LED Monitor

Features:
- 18.5" LED monitor
- Camera not included
- VGA, DVI and HDMI video inputs
- 1366 x 768 display resolution
- 100 mm standard VESA mounting pattern
- Desk stand included

Accessories	NN, OO

CMI2636PV
26" LED Public View Monitor
2 Mega Pixel Resolution

Features:
- 26" LED back-lit monitor
- 2 mega pixel resolution (1080p)
- 3.8 mm DC auto-iris lens
- 1/2.8" CMOS Progressive Scan image sensor
- True day/night with IR cut filter
- Multiple compression (H.264, MJPEG)

Accessories	NN, OO

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CMCPVMC
Public View Monitor Decoder

Features:
- Linux based operating system
- No computer required
- Direct connect up to 30 IP cameras
- Supports streaming video up to 1080p
- Multiple display format options
- Dual HDMI video outputs to two monitors with different content on each
- Compact size: 4.5" x 4.4" x 1.5"

CMC19MBW
Wall Mount

NN

CMC1000MBW
Ceiling Mount

OO

An Introduction to Asset Protection

Costar Video has introduced a new security product, a plastic fiber optic wire that connects to an electronic sensor system. The kits we offer provide various levels of protection and each system's electronic sensor is customizable by adjusting the sensitivity to one of four preset levels. Each system has a unique sensitivity level that detects intruder movements such as bending, cutting, climbing or lifting. The electronic sensors only detect intruder movements and are immune to false alarms. These systems are easy to install and require very little training or maintenance. There are many applications for fiber optic wire protection such as fences, solar panels, HVAC units, copper wires, retail merchandise and personal property. The table below shows which kits are needed for each application.

Protects	CFS-AC1KIT	CFS-AC2KIT	CFS-ATKIT
Fences	√	√	√
Solar Panels	√	√	√
HVAC Units	√		
Copper Cables	√	√	
Construction Sites	√	√	√
Manhole Covers		√	
Retail Merchandise	√		
Personal Property	√		

An example application is protecting the perimeter of a chain-link fence. This system is based on the principle that when someone tries to climb over or crawl under a fence that their movement will trigger the electronic sensor. Intruder movements are different than natural movements such as wind, rain, falling leaves or small animals. These movements do not generate enough disturbance to trigger false alarms. The plastic optical fiber is installed by weaving it through the chain-link fence. Cable ties are used to secure the fiber between the fence poles and special bolts are placed in 32 feet (10m) intervals to maintain a constant tension. The number of fibers required for this type of installation is based on the security level required shown by the graphics below.

A T OTECT ON

Costar offers a new line of asset protection products, a plastic fiber optic wire that connects to an electronic sensor system. Each of the kits include the sensors for detection as well as a spool of plastic fiber optic wire, bolts and the tools necessary for installation. The plastic fiber is connected to the electronic sensor which conducts an LED light that is used for detecting intruder movements such as bending, cutting, climbing or lifting. Each system has a unique sensitivity level that detects variations in the LED light with no false alarms, guaranteed. Our asset protection products are a cost-effective solution for protecting fences, solar panels, HVAC units, copper wires, retail merchandise and much more.

CFS-AC1KIT
Basic Anti-cut
Plastic Optical Fiber Kit

Kit Contains:
- 1 Anti-cut sensor
- 660 feet of plastic optical fiber (CFS-LW660)
- 50 Metal eye bolts (CFS-BOLT)
- 1 Cutting tool for terminating the fiber

CFS-AC2KIT
Advanced Anti-cut and Anti-bend
Plastic Optical Fiber Kit

Kit Contains:
- 1 Anti-bend sensor
- 660 feet of plastic optical fiber (CFS-LW660)
- 50 Metal eye bolts (CFS-BOLT)
- 2 FSMA connectors (CFS-FSMA)

  *Note: Termination Kit required (CFS-TKIT)

CFS-ATKIT
Enhanced Anti-cut, Anti-bend and Anti-climb
Plastic Optical Fiber Kit

Kit Contains:
- 1 Anti-bend sensor
- 660 feet of plastic optical fiber (CFS-LW660)
- 40 Metal eye bolts (CFS-TENS)
- 2 FSMA connectors (CFS-FSMA)
- 1 Light meter tool

  *Note: Termination Kit required (CFS-TKIT)

CFS-TKIT
Termination Kit

Kit Contains:
- 4 FSMA connectors
- 2 splice connectors
- 3 sheets of ultra fine sandpaper
- Polishing disk
- Fiber strip tool
- Crimping tool
- Cutters

CFS-300DK
Demo Kit

CFS-ACS
Anti-cut
Light Sensor

CFS-ALFS
Anti-cut and Anti-bend
Advanced Light Sensor

CFS-ELFS
Anti-cut, Anti-bend and Anti-climb
Enhanced Light Sensor

CFS-LW660
Plastic Fiber Spool
660 feet

CFS-BOLT
Metal Eye Bolts
10 Pack

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CFS-TENS
Metal Tension Bolts
10 Pack

CFS-GBOLT
Gate Connector Bolts
10 Pack

CFS-FSMA
FSMA Connectors
10 Pack

CFS-SPL
Splice Connectors
10 Pack

CFS-SP
Ultra Fine Sandpaper
3 Sheets

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Lenses

Part #	Image Size (Inches)	Focal Length (mm)	Iris Operation	Mount Type	4-Pin Connector
Vari-focal Mega Pixel DC Auto Iris Lenses					
CLS2812DM2.7	1/3"	2.8 - 12	DC	CS	-
CLS0770DM	1/2"	7 - 70	DC	C	-
Vari-focal Manual Iris Lenses					
CLS2812M	1/3"	2.8 - 12	Manual	CS	-
CLS3580M	1/3"	3.5 - 8	Manual	CS	-
CLS5100M	1/3"	5 - 100	Manual	CS	-
Vari-focal DC Auto Iris Lenses					
CLS1431D	1/3"	1.4 - 3.1	DC	CS	Yes
CLS256D	1/3"	2.5 - 6	DC	CS	Yes
CLS3580D	1/3"	3.5 - 8	DC	CS	Yes
CLS5100D	1/3"	5 - 100	DC	CS	Yes
CLS6600D	1/3"	6 - 60	DC	CS	Yes

Focal Length Lens Calculation Method

Focal Length is determined using information about the picture size and the distance of the camera to the subject. The following mathematical calculations are used to determine the focal length of a lens. The distance from the camera to the subject and the width or height of the desired scene are necessary for this procedure.

$$\frac{\text{Distance to subject}}{\text{Width of desired field of view}} \quad \textbf{X} \quad \text{Width factor} = \text{Lens needed}$$

$$\frac{\text{Distance to subject}}{\text{Height of desired field of view}} \quad \textbf{X} \quad \text{Width factor} = \text{Lens needed}$$

Power Supplies

Part #	Channel	Output Voltage	Fuse Rating (Amps)
DC12V Camera Power Supplies			
CPS1209	9	DC12V	7 Amps
AC24V Camera Power Supplies			
CP2410-20	1	AC24V	0.83 Amps
CP2410-40	1	AC24V	1.67 Amps
CP424-4UL	4	AC24V	4 Amps
CP824-4UL	8	AC24V	4 Amps
CP1624-8UL	16	AC24V	8 Amps
CP124-3UL	1	AC24V	3 Amps
AC24V IR Camera Power Supplies			
CP824-12	8	AC24V	12 Amps
AC24V PTZ Camera Power Supplies			
CP124-3UL	1	AC24V	3 Amps

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UTP-8, UTP-16
8 or 16 Channel Passive Video Hub

Features:
- UTP transceiver for up to 800 feet on CAT5 cable
- Separate screw type connectors per channel for easy installation
- Use with CV200 balun
- Mounts in a standard 19" rack (UTP-16)
- No power required

CUTP16
16 Channel Video, Power and Data Balun Hub

Features:
- Transmits video, power and data on a single UTP cable
- Eliminates more expensive coax cabling
- Use with CUTPVP single channel balun
- Mounts in a standard 19" rack

CUTPVP
1 Channel Video and Power Balun

Features:
- Transmits power and video on CAT5 cable
- Eliminates more expensive coax cabling
- Use one at each end or connect to the CUTP16

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Costar Video Systems ("Costar", "we", "us", "our") warrants to the original consumer/purchaser for the applicable period set forth below, that the products we sell are free from defects in material and workmanship, except as otherwise indicated below.

Limited Warranty		
Products	**Exceptions**	**Warranty Period**
High Speed Domes	Six (6) months parts and labor on all Pan and Tilt assemblies used in continuous motion. Units must be powered by an approved power supply with ESD protection for data and video feeds	One (1) year parts and labor
Camera Enclosures Monitors Network Video Recorders Network Cameras	One (1) year parts and labor on heater and blower kits	Two (2) years parts and labor
Professional Cameras Mounting Accessories Digital Processors (controllers & keyboards) Digital Video Recorders	Five (5) years parts and labor on the sensor One (1) year parts and labor on part #: CR4000SM	Three (3) years parts and labor
Lenses		Five (5) years parts and labor
Multi-channel Power Supplies		Limited lifetime under normal use

In no event will Costar be liable in contract, in tort, in strict liability or otherwise for any special, indirect, incidental or consequential damages for a breach of the warranty otherwise with respect to its products. The liability of Costar under the warranty or otherwise with respect to a product shall not exceed the purchase price received by Costar from the purchaser of such product.

If you believe that a product fails to meet the above limited liability warranty, you should contact the place of purchase or notify us in writing prior to expiration of the applicable warranty period set forth above at the following address:

Costar Video Systems
Attn: RMA Department
101 Wrangler Drive, Suite 201
Coppell, TX 75019

You must have a Return Authorization (RA) to return any product. Please call or email the following to obtain an RA number:

1-888-694-STAR (7827)
rmadept@costarvideo.com

COSTAR
VIDEO SYSTEMS

Series		E Series	SP Series	XDH Series	CRP Series	CR Series
GENERAL	Part #	CR4000E CR8000E CR1600E	CR8010SP	CR1600XDH	CRP116	CR416R CR432R
	Analog Camera Inputs	4 / 8 / 16	8 / 16	16	16	16 / 32
	IP Camera Inputs			16		
	Looping Video Inputs		√	√		√ (CR416R)
	DVD Built-in		√	√	√	√
	USB Port	√	√	√	√	√
	Text Interface (POS)	√	√	√	√	√
	Operating System	Linux	Linux	Linux	Windows	Windows
	User Management	Local	Local	Local	Local	Local
	Dual Network Cards					
	Dedicated Camera Network					
	Built-in Network Switch					
	Customer Assigned IP Addresses			√		
	Auto Assigned IP Addresses					
	Audio Inputs / Outputs	√	√	√	√	√
	Alarm Inputs	√	√	√	√	√
	Relay Outputs	√	√	√	√	√
	Access Control	√	√	√	√	√
DISPLAY	VGA	√	√	√	√	√
	HDMI		√	√		√
	Composite	√		√		
	Spot Outputs			√		√
RECORDING	Frames Per Second (Analog)	120 / 240 / 480	240	480	120	480
	Frames Per Second (IP @ 1080p)			70		
	Max Frame Resolution (NTSC)	704 x 480	704 x 480	1920 x 1080	704 x 480	704 x 480
	Event Record Mode	Alarm In Internal VMD	Alarm In Internal VMD	Alarm In Internal VMD	Alarm In Internal VMD	Alarm In Internal VMD
	Video Motion Detection	√	√	√	√	√
	Image Authentication	√	√	√	√	√
	Internal Hard Drive Max	3TB	9TB	12TB	6TB	12TB
	External Storage Options			√		
	Max Storage			24TB		
COMMUNICATIONS	Archive via Client	√	√	√	√	√
	Archive via USB	√	√	√	√	√
	Archive via DVD-R		√	√	√	√
	Archive via eSATA			√		
	Client Interface	iRAS, RAS+	iRAS, RAS+	iRAS, RAS+	iRAS, RAS+	iRAS, RAS+
	Web Browser	√	√	√	√	√
	Mobile Application	RAS Mobile	RAS Mobile	RAS Mobile	RAS Mobile	RAS Mobile
	Simultaneous Client Connections	2 Admin 10 Watch 2 Search	2 Admin 10 Watch 2 Search	2 Admin 10 Watch 2 Search	16 Admin 16 Watch 16 Search	16 Admin 16 Watch 16 Search
	Front Panel Controls	√	√	√		
	IR Remote Control	√	√	√		
	USB Mouse Control	√	√	√	√	√
	PTZ Control	√	√	√	√	√

* Specifications subject to change without notice

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Series	XDi Series	iNEX SN	iNEX Standard
Part #	CR4000XDi CR8000XDi CR1600XDi CR3200XDi	CRINEXSN04 CRINEXSN08 CRINEXSN16	CRINEX08R CRINEX16R CRINEX16 CRINEX24 CRINEX32

GENERAL

	XDi Series	iNEX SN	iNEX Standard
Analog Camera Inputs			
IP Camera Inputs	4 / 8 / 16 / 32	4 / 8 / 16	8 / 16 / 32
Looping Video Inputs			
DVD Built-in			√
USB Port	√	√	√
Text Interface (POS)	√	√	√
Operating System	Linux	Linux	Windows
User Management	Local	Global	Global
Dual Network Cards	√		
Dedicated Camera Network	√		
Built-in Network Switch	√		
Customer Assigned IP Addresses		√	√
Auto Assigned IP Addresses	√		
Audio Inputs / Outputs	√		
Alarm Inputs	√		
Relay Outputs	√		
Access Control	√		

DISPLAY

	XDi Series	iNEX SN	iNEX Standard
VGA	√		
HDMI	√		√
Composite			
Spot Outputs			

RECORDING

	XDi Series	iNEX SN	iNEX Standard
Frames Per Second (Analog)	480		
Frames Per Second (IP @ 1080p)	120 / 240 / 480 / 480	120 / 240 / 480	120 / 240 / 480 / 960
Max Frame Resolution (NTSC)	1920 x 1080	1920 x 1080	1920 x 1080
Event Record Mode	Alarm In Internal VMD	VMD	VMD
Video Motion Detection	√	√	√
Image Authentication	√	√	√
Internal Hard Drive Max	12TB (6TB 4ch.)	6TB	30TB
External Storage Options	√	√	√
Max Storage	36TB	18TB	42TB

COMMUNICATIONS

	XDi Series	iNEX SN	iNEX Standard
Archive via Client	√	√	√
Archive via USB	√		√
Archive via DVD-R			√
Archive via eSATA	√		√
Client Interface	iRAS	iNEX	iNEX
Web Browser	√		
Mobile Application	RAS Mobile	iNEX Viewer	iNEX Viewer
Simultaneous Client Connections	12 LAN 2 WAN	12 LAN 2 WAN	64 LAN 20 WAN
Front Panel Controls	√		
IR Remote Control	√		
USB Mouse Control	√		√
PTZ Control	√	√	√

* Specifications subject to change without notice

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For more information please visit us at:
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