

**COSTAR**  
VIDEO SYSTEMS  
[www.costarvideo.com](http://www.costarvideo.com)

# StarNET IP



# VIDEO MANAGEMENT SOFTWARE (VMS)

## DirectNET TECHNOLOGY



### A Better Way to CONNECT Cameras

Costar *DirectNET Technology* allows a camera to easily connect to a XDi Series Network Video Recorder and automatically assign itself an IP address. The DirectNET 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 64,000 cameras. The XDi recorders have dual network capability which allows for separation between LAN and WAN connections. One network is designated for 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, 32, or 64 channel models and are expandable up to 132 terabytes using additional eSATA storage.



**COSTAR**  
starNET



### What is StarNET?

*StarNET* is a powerful Video Management System (VMS) for Costar DirectNET Technology that allows users to intuitively view live camera feeds and access specialized video tools such as event search, playback, video export, and more. *StarNET* was developed on the success of the popular iRAS platform. The powerful processing capabilities of *StarNET* allows it to manage multiple video streams from both analog, HD-TVI, and IP cameras. The *StarNET* platforms allows for a decentralized management structure, which does not require a central point of access. *StarNET* allows you to access remote sites and monitor live video via a network connection anytime, anywhere. *StarNET Mobile* is available for iOS and Android devices.

**COSTAR**  
starNET



 <http://bit.ly/2Jj0HAA>

### Key Features of StarNET

- 1 User Management**  
Gives administrators the ability to configure and set up preferences for the system
- 2 Logical Grouping**  
Group recorders for easy access to user defined regions or combine multiple recorders in the same location to appear as one recorder
- 3 Favorite Layouts**  
Each user can customize and save screen view layouts
- 4 Map**  
Using a JPEG background image, cameras can be plotted on the map for a quick visual reference to the live image view
- 5 Events**  
View real time event activity and quickly access the video
- 6 Tabs**  
Organize and view live feeds, playback, maps, events, logs, analytics, and statuses on a single monitor or detach to see on multiple monitors
- 7 Camera Grid**  
Divide the screen from a single image to a 64 camera grid
- 8 Playback Bar**  
Play, pause, and use multiple tools to search recorded video
- 9 Layout Views**  
Design and save your own customized screen layouts
- 10 Next/Previous Cameras**  
Scroll through as many as 64 live images or videos

**Western Digital**

**BEYOND SURVEILLANCE**

CAPTURE   STORE   ANALYZE



**WD Purple™ microSD**



**WD Purple™ Hard Drive**



**Ultrastar™ Hard Drive**

Western Digital, the Western Digital logo, WD, the WD logo, Ultrastar, and WD Purple are registered trademarks or trademarks of Western Digital Corporation or its affiliates in the U.S. and/or other countries. The microSD mark and logo are trademarks of SD-3C, LLC. All other marks are the property of their respective owners. As used for storage capacity, one terabyte (TB) = one trillion bytes, and one gigabyte (GB) = one billion bytes. Total accessible capacity varies depending on operating environment. Product specifications subject to change without notice. Pictures shown may vary from actual products.  
©2018 Western Digital Corporation or its affiliates. All rights reserved.



# CAMERAS

Model	DOMES			
	Indoor			
	 CDI2512FW	 CDI2512IFW	 CDI2528IW	 CDI2528W

## CAMERA

Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/3" CMOS	1/3" CMOS
Lens	2.8-12 mm	2.8-12 mm	2.8 mm	2.8 mm
Day & Night	IR Cut Filter with Auto Switch	Yes; IR Cut Filter with Auto Switch	Yes; IR Cut Filter with Auto Switch	Yes; IR Cut Filter with Auto Switch
IR LED	-	6 ea	4 ea	-
IR Range	-	98 ft (29.9 m)	49 ft (15 m)	-
Remote Focus	Yes	Yes	-	-
Degrees of Pan	-	-	-	-
Degrees of Tilt	-	-	-	-
Video Output	RJ45 / Terminal Block	RJ45 / Terminal Block	-	-
Iris Control	DC Iris	DC Iris	Fixed Iris	Fixed Iris

## IMAGE

Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Frame Rate	Up to 30 fps	Up to 30 fps	Up to 30 fps	Up to 30 fps
Digital Noise Reduction	Yes; Configurable 2DNR/3DNR	Yes; Configurable 2DNR/3DNR	Yes; Configurable 2DNR/3DNR	Yes; Configurable 2DNR/3DNR
Wide Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Minimum Illumination	0.1 Lux @ F1.4 (Color) 0.00 Lux @ F1.4 (BW)	0.1 Lux @ F1.4 (Color) 0.00 Lux @ F1.4 (BW)	0.1 Lux @ F2.0 (Color) 0.01 Lux @ (IR LED ON) (BW)	0.1 Lux @ F2.0 (Color) 0.01 Lux @ (IR LED ON) (BW)
Motion Detection	Yes	Yes	Yes	Yes
Privacy Masking	Yes; 8 Zones	Yes; 8 Zones	Yes; 8 Zones	Yes; 8 Zones
Compression	H.264 (MP), M-JPEG, H.265	H.264 (MP), M-JPEG, H.265	H.264 (MP), M-JPEG, H.265	H.264 (MP), M-JPEG, H.265
Streaming	Quadruple Streaming	Quadruple Streaming	Quadruple Streaming	Quadruple Streaming
iNEX Camera Protocol	iNEX, ONVIF Profile S (2.4)	iNEX, ONVIF Profile S (2.4)	iNEX, ONVIF Profile S (2.4)	iNEX, ONVIF Profile S (2.4)
DirectNET Camera Protocol	DirectNET	DirectNET	DirectNET	DirectNET

## GENERAL

Power Consumption	11.5 Watts	11.5 Watts	4.36 Watts	4.36 Watts
Power Source	12VDC or PoE	12VDC or PoE	PoE	PoE
IP Rating	-	-	-	-
Humidity	0% ~ 90%	0% ~ 90%	0% ~ 90%	0% ~ 90%
Temperature	-14°F ~ +122°F -10°C ~ +50°C	-14°F ~ +122°F -10°C ~ +50°C	14°F ~ +122°F -40°C ~ +60°C	14°F ~ +122°F -40°C ~ +60°C
Dimensions	4.8" x 4.07" 121.9 x 103.4 mm	4.8" x 4.07" 121.9 x 103.4 mm	5.16" x 3.12" 131mm x 79.3 mm	5.16" x 3.12" 131mm x 79.3 mm
Weight	.75 lbs 0.34 kg	.77 lbs 0.35 kg	0.66 lbs 0.3 kg	0.66 lbs 0.3 kg
Approvals	FCC, CE, KC, UL	FCC, CE, KC, UL	FCC, CE, KC	FCC, CE, KC

# CAMERAS

Model	DOMES				
	Outdoor				
					
CDI2512VIFWH	CDI2510VIFWLH	CDI2522VIFWH	CDI5510VIFWH	CDI8510VIFWH	

## CAMERA

Image Sensor	1/3" CMOS	1/1.9" CMOS	1/3" CMOS	1/1.8" CMOS	1/1.7" CMOS
Lens	2.8-12 mm	4.4-10 mm	7-22 mm	3.6-10 mm	4.5-10 mm
Day & Night	Yes; IR Cut Filter with Auto Switch	Yes; IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
IR LED	6 ea	6 ea	6 ea	6 ea	6 ea
IR Range	100 ft (30 m)	100 ft (30 m)	100 ft (30 m)	100 ft (30 m)	100 ft (30 m)
Remote Focus	Yes	Yes	Yes	Yes	Yes
Degrees of Pan	-	-	-	-	-
Degrees of Tilt	-	-	-	-	-
Video Output	BNC/RJ45	BNC/RJ45	BNC/RJ45	BNC/RJ45	BNC/RJ45
Iris Control	P-Iris	P-Iris	P-Iris	P-Iris	P-Iris

## IMAGE

Resolution	1920 x 1080	1920 x 1080	1920 x 1080	2592 x 1944	4000 x 3000
Frame Rate	Up to 30 fps	Up to 30 fps	Up to 30 fps	Up to 30 fps	Up to 30 fps
Digital Noise Reduction	Yes; Configurable 2DNR/3DNR	Yes; Configurable 2DNR/3DNR	Yes	Yes	Yes
Wide Dynamic Range	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Minimum Illumination	0.1 Lux @ F1.3 (Color) 0 Lux @ (IR LED ON) (BW)	0.01 Lux @ F1.2 (Color) 0 Lux @ (IR LED ON) (BW) Lightfinder	0.1 Lux @ F1.3 (Color) 0 Lux @ (IR LED ON) (BW)	0.2 Lux @ F1.8 (Color) 0 Lux @ (IR LED ON) (BW)	0.3 Lux @ F1.6 (Color) 0 Lux @ (IR LED ON) (BW)
Motion Detection	Yes	Yes	Motion Adaptive Transmission (MAT)	Motion Adaptive Transmission (MAT)	Motion Adaptive Transmission (MAT)
Privacy Masking	Yes; 8 Zones	Yes; 8 Zones	8 Zones	8 Zones	8 Zones
Compression	H.264 (MP), M-JPEG, H.265	H.264 (MP), M-JPEG, H.265	H.264 (MP), M-JPEG, H.265	H.264 (MP), M-JPEG, H.265	H.264 (MP), M-JPEG, H.265
Streaming	Quadruple Streaming	Quadruple Streaming	Quadruple Streaming	Quadruple Streaming	Quadruple Streaming
iNEX Camera Protocol	iNEX, ONVIF Profile S (2.4)	iNEX, ONVIF Profile S (2.4)	iNEX, ONVIF Profile S (2.4)	iNEX, ONVIF Profile S (2.4)	iNEX, ONVIF Profile S (2.4)
DirectNET Camera Protocol	DirectNET	DirectNET	DirectNET	DirectNET	DirectNET

## GENERAL

Power Consumption	11.7 Watts	11.6 Watts	11.7 Watts	11.4 Watts	12 Watts
Power Source	12VDC or PoE	12VDC or PoE	12VDC or PoE	12VDC or PoE	12VDC or PoE
IP Rating	IP67	IP67	IP67	IP67	IP67
Humidity	0% ~ 90%	0% ~ 90%	0% ~ 90%	0% ~ 90%	0% ~ 90%
Temperature	-40°F ~ +140°F -40°C ~ +60°C	-40°F ~ +140°F -40°C ~ +60°C	-40°F ~ +140°F -40°C ~ +60°C	-40°F ~ +140°F -40°C ~ +60°C	-40°F ~ +140°F -40°C ~ +60°C
Dimensions	6.30" x 4.59" 160.02 x 128.52 mm	6.30" x 5.06" 160.02 x 128.52 mm	6.30" x 5.06" 160.02 x 128.52 mm	6.30" x 5.06" 160.02 x 128.52 mm	6.30" x 5.06" 160.02 x 128.52 mm
Weight	3.08 lbs 1.4 kg	3.08 lbs 1.4 kg	3.08 lbs 1.4 kg	2.67 lbs 1.4 kg	2.67 lbs 1.4 kg
Approvals	FCC, CE, KC, IK10, UL	FCC, CE, KC, IK10, UL	FCC, CE, KC, IK10, UL	FCC, CE, KC, IK10, UL	FCC, CE, KC, IK10, UL

# SPECIALTY CAMERAS

	PTZ	360 Cameras		Remote Head		Box
Model						
	CDI2530PZ	CDI51360V	CDI125360V	CCI2525R	CCI2543R	CCI3500

## CAMERA

Image Sensor	1/2.8" CMOS	1/1.8" CMOS	Image Sensor 1/1.7" CMOS	1/2.9" CMOS	1/2.9" CMOS	1/2.8" CMOS
Lens	4.3 ~ 129.0 mm	1.45 mm	1.98 mm	2.5 mm	4.3mm E Pinhole	C/CS mount
Day & Night	Yes; with ICR	Yes; IR cut filter	IR cut filter with Auto Switch	IR cut filter with Auto Switch	IR cut filter with Auto Switch	IR Cut Filter with Auto Switch
IR LED	-	-	6 ea	-	-	-
IR Range	-	-	49 ft (15 m)	-	-	-
Remote Focus	Yes	-	-	-	-	-
Degrees of Pan	360° continuous	-	-	-	-	-
Degrees of Tilt	0.02° ~ 180°	-	-	-	-	-
Video Output	RJ45	No	No	No	No	1 RCA
Iris Control	Auto Iris	Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris	P-Iris / DC Auto Iris / Manual

## IMAGE

Resolution	1920 x 1080	2560 x 2048	3200 x 2944	1920 x 1080	1920 x 1080	2048 x 1536
Frame Rate	Up to 60 fps	Up to 30 fps	Up to 15 fps	Up to 30 fps	Up to 30 fps	Up to 30 fps
Digital Noise Reduction	Yes	Yes; Configurable 2DNR/3DNR	Yes; Configurable 2DNR/3DNR	Yes; Configurable 2DNR/3DNR	Yes; Configurable 2DNR/3DNR	Yes; Configurable 2DNR/3DNR
Wide Dynamic Range	Yes	More than 70dB (90dB @ Digital WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)	120dB (True WDR)
Minimum Illumination	Color: 0.16 Lux @ F1.6	Color: 0.8 lux @ F2.2 B/W: 0003 lux @ F2.2	0.2 Lux @ F2.8 (Color) 0 Lux @ (IR LED ON) (BW)	0.1 Lux (Color) 0.01 Lux (BW)	0.1 Lux (Color) 0.01 Lux (BW)	0.2 Lux @ F1.6 (Color) 0 Lux @ (IR LED ON) (BW)
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Privacy Masking	Yes; 8 Zones	Yes; 16 Zones	Yes; 8 Zones	Yes; 8 Zones	Yes; 8 Zones	Yes; 8 Zones
Compression	H.265, H.264, MJPEG	H.264, MJPEG, MPEG4	H.265, H.264, M-JPEG	H.265, H.264, MJPEG	H.264 (MP), M-JPEG, H.265	H.265, H.264, MJPEG
Streaming	Quadruple Stream	Quadruple Stream	Quadruple Stream	Quadruple Stream	Quadruple Stream	Quadruple Stream
iNEX Camera Protocol	ONVIF Profile S	ONVIF Profile S	iNEX, ONVIF Profile S (2.4)	iNEX, ONVIF Profile S	iNEX, ONVIF Profile S	iNEX, ONVIF Profile S (2.4)
DirectNET Camera Protocol	DirectNET	DirectNET	DirectNET	DirectNET	DirectNET	DirectNET

## GENERAL

Power Consumption	15.2 Watts (with heater)	6 Watts	12.6 Watts	4.08 Watts	4.08 Watts	6 Watts
Power Source	PoE+, 24VAC	12VDC or PoE	12VDC or PoE	12VDC or PoE	12VDC or PoE	12VDC or PoE
IP Rating	IP66	IP66	IP66	-	-	-
Humidity	90% RH Max	0% ~ 90%	0% ~ 90%	0% ~ 90%	0% ~ 90%	0% ~ 90%
Temperature	-40°F ~ +140°F -40°C ~ +60°C	-40°F ~ +165°F -40°C ~ +74°C	+14°F ~ +140°F -10°C ~ +60°C	-10°C ~ +50°C +14°F ~ +122°	-10°C ~ +50°C +14°F ~ +122°	+14°F ~ +122°F -10°C ~ +50°C
Dimensions	7.9" x 7.9" 200 x 199.5 mm	6.10" x 1.90" 155 x 48.3 mm	6.10" x 2.29" 155 x 58.3 mm	(Camera) 1.54" x 1.57" x 1.38" 39 x 40 x 35 mm (Module) 6.02" x 1.44" x 5.22" 153 x 36.5 x 132.7 mm	(Camera) 1.54" x 1.57" x 1.38" 39 x 40 x 35 mm (Module) 6.02" x 1.44" x 5.22" 153 x 36.5 x 132.7 mm	2.87" x 2.24" x 5.16" 73 x 57 x 131 mm
Weight	5.40 lbs 2.45 kg	1.31 lbs 0.59 kg	2.03 lbs 0.92 kg	1.98 lbs (with 1HDD) 0.9 kg (with 1HDD)	1.98 lbs (with 1HDD) 0.9 kg (with 1HDD)	0.89lbs 0.4kg
Approvals	IK10, CE, FCC, KC, UL	FCC, CE (50130-4), IK10	FCC, CE, KC, IK10	FCC, CE, KC	FCC, CE, KC	FCC, CE, KC

# RECORDERS

Model					
	CR4020XDi	CR8020XDi	CR1620XDi	CR3220XDi	CR6420XDi

## VIDEO / RECORDING

Channels	4 Channels	8 Channels	16 Channels	32 Channels	64 Channels
<b>Max Record Rate Throughput</b>	70 Mbps, 120ips @ UHD	100Mbps, 240ips @ Full HD, 120ips @ 4K (UHD)	160Mbps, 480ips @ Full HD, 120ips @ 4K (UHD)	230Mbps, 960ips @ Full HD, 240ips @ 4K (UHD)	400Mbps, 1920ips @ Full HD, 240ips @ 4K (UHD)
<b>Display Resolution (VGA, HDMI)</b>	3840x2160, 1920x1200, 1920x1080, 1680 x 1050, 1600 x 1200	3840x2160, 1920x1200, 1920x1080, 1680 x 1050, 1600 x 1200	3840x2160, 1920x1200, 1920x1080, 1680 x 1050, 1600 x 1200	3840x2160, 1920x1200, 1920x1080, 1680 x 1050, 1600 x 1200	3840x2160, 1920x1200, 1920x1080, 1680 x 1050, 1600 x 1200
<b>Camera Inputs</b>	4 IP Cameras	8 IP Cameras	16 IP Cameras	32 IP Cameras	64 IP Cameras
<b>Monitor Outputs</b>	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA
<b>Display Speed (Live)</b>	4 Channels up to 120ips	8 Channels up to 240ips	16 Channels up to 240ips	32 Channels up to 960ips	64 Channels up to 1920ips
<b>Video Compression</b>	H.265, H.264	H.265, H.264	H.265, H.264	H.265, H.264	H.265, H.264
<b>Record Mode</b>	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic
<b>Event Triggers</b>	Alarm In, Audio Detection, Motion Detection, Trip Zone Tampering, Video Loss	Alarm In, Audio Detection, Motion Detection, Trip Zone Tampering, Video Loss	Alarm In, Audio Detection, Motion Detection, Trip Zone Tampering, Video Loss	Alarm In, Audio Detection, Motion Detection, Trip Zone Tampering, Video Loss	Alarm In, Audio Detection, Motion Detection, Trip Zone Tampering, Video Loss
<b>Record Mode</b>	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic	Time-lapse, Event, Pre-event, Panic

## NETWORK / STORAGE

<b>Connection</b>	Gigabit Ethernet (Client) x1	Gigabit Ethernet (Client) x1	Gigabit Ethernet (Client) x1	Gigabit Ethernet (Client) x1	Gigabit Ethernet (Client) x1
<b>Camera Power</b>	PoE (IEEE 802.3at Class 4) Supported 4 Ports, 30 watts	PoE (IEEE 802.3at Class 4) Supported 8 Ports, 120 watts	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120 watts	PoE (IEEE 802.3at Class 4) Supported 16 Ports, 120 watts	-
<b>HDD</b>	108 TB = 6 TB x 2 Bays (12 TB Internal) + 4 eSATA x (4 Bays x 6 TB) (96 TB External)	132 TB = 6 TB x 6 Bays (36 TB Internal) + 4 eSATA x (4 Bays x 6 TB) (96 TB External)	132 TB = 6 TB x 6 Bays (36 TB Internal) + 4 eSATA x (4 Bays x 6 TB) (96 TB External)	132 TB = 6 TB x 6 Bays (36 TB Internal) + 4 eSATA x (4 Bays x 6 TB) (96 TB External)	156 TB = 6 TB x 10 Bays (60 TB Internal) + 4 eSATA x (4 Bays x 6 TB) (96 TB External)
<b>Data Export Device</b>	USB HDD, USB Stick	USB HDD, USB Stick	USB HDD, USB Stick	USB HDD, USB Stick	USB HDD, USB Stick
<b>Internal HDD</b>	SATA x2, eSATA x1, (Up to 6TB Capacity for Each Disk)	SATA x6, eSATA x4, (Up to 6TB Capacity for Each Disk), RAID 1 supported	SATA x6, eSATA x4, HDD (Up to 6TB Capacity for Each Disk), RAID 1 supported	SATA x6, eSATA x4, (Up to 6TB Capacity for Each Disk), RAID 1 supported	SATA x8, eSATA x4, (Up to 6TB Capacity for Each Disk), RAID 1, 5, 10 supported
<b>Remote Data Export</b>	Clip Player, AVI, JPG	AVI, JPG, Clip Copy	AVI, JPG, Clip Copy	AVI, JPG, Clip Copy	AVI, JPG, Clip Copy
<b>Remote Data Throughput</b>	50 Mbps (1000 Mbps BRP On)	50 Mbps (100 Mbps BRP On)	50 Mbps (100 Mbps BRP On)	50 Mbps (100 Mbps BRP On)	300 Mbps (400 Mbps BRP On)

## INTERFACE

<b>Alarm In/Out</b>	NVR: 4/1 IP Camera: 4/4 (Depending on IP Camera)	NVR: 4/1 IP Camera: 8/8 (Depending on IP Camera)	NVR: 4/1 IP Camera: 16/16 (Depending on IP Camera)	NVR: 4/1 IP Camera: 32/32 (Depending on IP Camera)	NVR: 4/1 IP Camera: 32/32 (Depending on IP Camera)
<b>Audio In/Out</b>	NVR: -/1RCA + 1HDMI IP Camera: 4/4 (Depending on IP Camera)	NVR: 1RCA/1RCA + 1HDMI IP Camera: 8/8 (Depending on IP Camera)	NVR: 1RCA/1RCA + 1HDMI IP Camera: 16/16 (Depending on IP Camera)	NVR: 1RCA/1RCA + 1HDMI IP Camera: 32/32 (Depending on IP Camera)	NVR: 1RCA/1RCA + 1HDMI IP Camera: 32/32 (Depending on IP Camera)
<b>Serial Port</b>	RS232 (Terminal Block)	RS232 (Terminal Block), RS485 (Terminal Block)	RS232 (Terminal Block), RS485 (Terminal Block)	RS232 (Terminal Block), RS485 (Terminal Block)	RS232 (Terminal Block), RS485 (Terminal Block)
<b>USB</b>	USB 2.0 x 1, USB 3.0 x 1	USB 2.0 x 1, USB 3.0 x 1	USB 2.0 x 1, USB 3.0 x 1	USB 2.0 x 1, USB 3.0 x 1	USB 2.0 x 2, USB 3.0 x 1
<b>User Interface</b>	Front Buttons, USB Mouse, IR Remote Control, Remote Keyboard	Front Buttons, USB Mouse, IR Remote Control, Remote Keyboard	Front Buttons, USB Mouse, IR Remote Control, Remote Keyboard	Front Buttons, USB Mouse, IR Remote Control, Remote Keyboard	Front Buttons, USB Mouse, IR Remote Control, Remote Keyboard
<b>Performance</b>	4ch 4K, Playback	8ch Full HD synchronous playback, 4ch 4K synchronous playback	16ch Full HD synchronous playback, 4ch 4K synchronous playback	16ch Full HD synchronous playback, 4ch 4K synchronous playback	16ch Full HD synchronous playback, 4ch 4K synchronous playback
<b>Remote Playback Rate</b>	50 Mbps	50 Mbps	50 Mbps	50Mbps	400Mbps
<b>Search Mode</b>	Time-lapse, Event log, Thumbnail, Motion, Text-in	Event Log, Motion, Text-in Time-lapse, Thumbnail	Event Log, Motion, Text-in Time-lapse, Thumbnail	Event Log, Motion, Text-in Time-lapse, Thumbnail	Event Log, Motion, Text-in Time-lapse, Thumbnail

## GENERAL

<b>Power Consumption</b>	Max. 21W (NVR) / Max. 31W (PSE)	Max. 200W (with 6 HDDs)	Max. 200W (with 6 HDDs)	Max. 200W (with 6 HDDs)	Max. 200W (with 8 HDDs)
<b>Power Source</b>	DC.12V 1.7A(NVR) DC48V.65A(PSE)	AC 100-240 V	AC 100-240 V	AC 100-240 V	AC 100-240 V
<b>Temperature</b>	32°F to 104°F 0°C to 40°	32°F to 104°F 0°C to 40°	32°F to 104°F 0°C to 40°	32°F to 104°F 0°C to 40°	32°F to 104°F 0°C to 40°
<b>Dimensions</b>	11.8" x 2.4" x 9.1" 300 x 62 x 231 mm	16.9" x 3.5" x 16.2" 430 x 88 x 410.8 mm	16.9" x 3.5" x 16.2" 430 x 88 x 410.8 mm	16.9" x 3.5" x 16.2" 430 x 88 x 410.8 mm	19" x 3.5" x 20.6" 482.6 x 88 x 523.3 mm
<b>Weight</b>	4.9 lbs (with 1HDD) 2.2 kg (with 1HDD)	13.2 lbs (with 1HDD) 6.0 kg (with 1HDD)	13.2 lbs (with 1HDD) 6.0 kg (with 1HDD)	13.2 lbs (with 1HDD) 6.0 kg (with 1HDD)	21.8 lbs (with 1HDD) 9.9 kg (with 1HDD)



# ACCESSORIES

## CMIPVM20

Digital Video Decoder



### Highlights

- Up to 16 channels real-time display
- Up to 4 channels Max 4K Camera Resolution
- Supports single, 2x2, 3x3, or 4x4 monitor output displays
- Supports HDMI, VGA, CVBS ports
- DirectNET™ protocol supported
- Compatible with XDi Series NVRs
- No PC required
- Convenient firmware upgrades using USB ports
- Event detection functions including: motion, video loss, tampering
- Power over Ethernet (PoE) or 12VDC

## CREVS4R20

eSATA Extends Storage



### Highlights

- Supports additional storage from 2-24 TB
- Compatible with the XDi20 family of recorders
- Supports RAID 0, 1+0, and 5 options
- Rack-mountable metal chassis
- 40 Watt power supply

## CRI8000VS

Digital Video Encoder



### Highlights

- Supports 4 audio input ports
- Supports 8 analog camera input ports
- Supports PTZ with RS485 port
- Supports quadruple stream
- Power over Ethernet (PoE) or 12VDC

## CRIA04

VCA Box



### Highlights

- Compatible with H.264 and H.265 IP cameras
- Compatible with the XDi 20 Series Recorders
- DirectNET protocol supported
- Analytic algorithms supported
  - » Heat Mapping
  - » People Counting
  - » Que Management
- Firmware upgrades available via network
- Firmware duplication and auto-recovery functions to enhance system stability
- Power over Ethernet (PoE) and 12VDC

## CDI2010KB

Keyboard Controller



### Highlights

- Remote control of NVRs, DVRs, network video transmitters, network video receivers, and network cameras via network connection
- Over 70 PTZ protocols including: Pelco P & Pelco D, Ultrak KD6 and FastTrax
- Two-way audio communication
- Control of DVRs and NVRs by using a USB mouse via network connection
- Programmable 2 line LCD screen
- Detachable 3-axis joystick for right handed or left handed use
- 5VDC

# SWITCHES

## CRIS12 and CRIS28v2



### Highlights

- 8 (CRIS12) or 24 (CRIS28v2) port POE switch
- 2 optical and 2 copper uplink ports (CRIS12) & 4 optical uplink ports (CRIS28v2)
  - » 24 Gbps (CRIS12) or 1 GHz (CRIS28v2) switch capacity
  - » 150 W (CRIS12) or 370 W (CRIS28v2) PSE power
- 802.11af POE

## CRIS10 and CRIS18



### Highlights

- 8 (CRIS10) or 24 (CRIS18) port POE switch
- 2 copper uplink ports
  - » 24 Gbps (CRIS10) or 56 Gbps (CRIS18) switch capacity
  - » 150 W (CRIS10) or 450 W (CRIS18) PSE power
- 802.11af POE

# BOX CAMERA LENSES



Part #	Image Size (Inches)	Focal Length (mm)	Iris Operation	Mount Type
<i>Vari-focal Mega Pixel DC Auto Iris Lenses</i>				
CLS2812DM2.7	1/3"	2.8 - 12 mm	DC	CS
CLS5100DM2.7	1/3"	5 - 100 mm	Manual	CS
<i>Vari-focal Manual Iris Lenses</i>				
CLS0770DM	1/2"	7 - 70 mm	DC	CS

# MOUNTS

MODEL	 CDMWMC	 CDMPM20	 CDMWM20	 CDASS18	 CDJBD360	 CBJBD10	 CDMPMD11	 CDMWMD11
 CBI2510IWFH						✓		
 CBI2510IWFLH						✓		
 CBI2522IWFH						✓		
 CBI5510IWFH						✓		
 CBI8110IFH						✓		
 CBI8510IWFH						Junction Box Included		
 CDI2512FW								
 CDI2512IFW								
 CDI2528IW								
 CDI2528W								
 CDI2512VIFWH	✓				✓		✓	✓
 CDI2510VIFWLH	✓				✓		✓	✓
 CDI2522VIFWH	✓				✓		✓	✓
 CDI5510VIFWH	✓				✓		✓	✓
 CDI8510VIFWH	✓				✓		✓	✓
 CDI2530PZ		✓	✓	✓				
 CDI51360V	✓				✓			✓
 CDI125360V					✓			

# **COSTAR** **VIDEO SYSTEMS**

*A Costar Technologies, Inc. Company*

For more information please visit us at:

[\*\*www.costarvideo.com\*\*](http://www.costarvideo.com)

101 Wrangler Drive, Suite 201  
Coppell, TX 75019  
(888) 694-7827  
[sales@costarvideo.com](mailto:sales@costarvideo.com)

