

**2 Megapixel Network  
Outdoor Dome Camera  
IR LEDs Remote Focus****Direct IP™****Description:**

The CDI2110VIRF DirectIP™ outdoor dome camera provides high quality video at 2 megapixel resolution. The infrared LEDs provide illumination for clear image quality at night. The IP66 weatherproof rating makes this dome camera suitable for outdoor applications. The Remote Focus feature allows installers to control the zoom and focus directly from the network video recorders (NVRs) or remotely through iRAS.

Costar's DirectIP™ cameras have true plug-and-play capability with the XDi Series recorders and are compatible with iRAS Video Management Software (VMS). iRAS is the remote access software that allows users to remotely view live and recorded video. iRAS incorporates features such as advanced event notification, map monitoring, system status monitoring and many more. Costar's DirectIP™ cameras are ONVIF supported. ONVIF is an industry standard that ensures interoperability between IP-based security products regardless of brand.

**Features:**

- 2 megapixel resolution (1080p)
- 3.3 - 10 mm vari-focal lens
- 3x motorized zoom
- 1/2.8" CMOS Progressive Scan image sensor
- 28 IR LEDs with a 65 foot (20 m) range
- Remote focus and zoom capability
- True day/night with IR cut filter
- DirectIP™ protocol; iNEX™ protocol selectable
- Micro SD memory card supported
- Back Light Compensation (BLC)
- Digital Noise Reduction (DNR)
- Multiple compression (H.264, MJPEG)
- IP66 weatherproof rated
- IK10 vandal resistant housing
- Heater model available (CDI2110VIRFH)
- Power over Ethernet (PoE) or DC12V

# CDI2110VIRF Specifications

Model	Lens (mm)	Resolution
CDI2110VIRF	3.3 - 10 mm	2 Megapixel
CDI2110VIRFH (with heater)	3.3 - 10 mm	2 Megapixel

Power		
Source	PoE or DC12V	
PoE	CDI2110VIRF CDI2110VIRFH	IEEE 802.3af IEEE 802.3at
Consumption	CDI2110VIRF CDI2110VIRFH	4.8 Watts 14.4 Watts (Heater powered from 12vdc only)

Sensor	
Image Sensor	1/2.8" CMOS
Scanning Mode	Progressive Scan
Resolution	1920 x 1080
Lens Type	Motorized Vari-focal
Lens Focal Length	f = 3.3 - 10 mm
Aperture	F = 1.3 - 2.5
Zoom	3x motorized zoom
Iris	DC Auto iris
IR LEDs	28 LEDs
IR Range	65 feet (20 m) range
Minimum Illumination	Color: 0.3 Lux @ F1.3 BW: 0 Lux @ F.13 (IRs On)
Frame Rate	Up to 30 fps
S/N Ratio	31.2 dB
Wide Dynamic Range	74.7 dB
Electronic Shutter	Auto / Manual: 1/30 ~ 1/8000 Anti-Flicker: Slow Shutter: 1/7.5, 1/15
Viewing Angle	Wide: 129.3°D, 108.2°H, 35.4°V Tele: 40.5°D, 35.4°H, 19.8°V
Pan/Tilt Range	Pan: -175° ~ 175° Tilt: 0° ~ 90° Rotate: -176° ~ 176°

Video Features	
Video Output	1 BNC
Video Compression	H.264, MJPEG
Compression Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240
Bitrate Control	H.264 - CBR / VBR
Bitrate	Up to 10 Mbps
External Storage	micro SD/SDHC
Audio Compression	G.726, G.711

Camera Functions	
Alarm	Yes; 1 In / 1 Out
Audio	Yes; 1 In / 1 Out
Auto Exposure	Yes
Auto White Balance	Yes
Back Light Compensation	Yes
Day/Night	Yes; with ICR
Digital Noise Reduction	Yes
Event Buffering	Yes; up to 60MB
Event Notification	Remote S/W, Email with images
Event Triggers	Motion Detection, Tampering, Trip Zone
Motion Detection	Yes

## Network

### DirectIP™ Mode

Security	SSL Encryption
Remote Access Client	iRAS 3.0
Streaming Video	Quadruple Stream
Camera Protocol	DirectIP V1.0.0

### iNEX™ Compatibility Mode

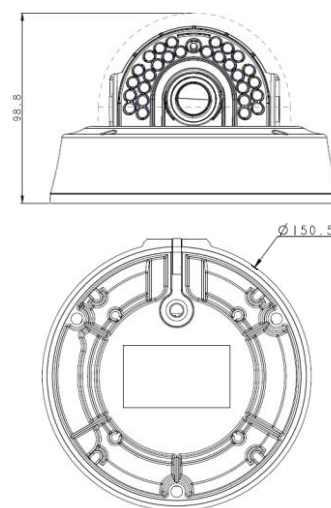
Security	Multi-user Authority, HTTPS, SSL Encryption
Remote Access Client	iNEX
Streaming Video	Triple Stream
Camera Protocol	ONVIF Profile S

Network Protocols	RTP/RTSP/TCP RTP/RTSP/HTTP/TCP RTP/UDP RTSP/TCP HTTP, HTTPS, FTP, SNMP, SMTP, FEN, mDNS, uPNP
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## General Information

Temperature	CDI2110VIRF	14°F to 122°F (-10°C to 50°C)
	CDI2110VIRFH	- 40°F to 122°F (-40°C to 50°C)
Humidity	0% ~ 90%	
Approvals	IP66, IK10, FCC, CE, KC, UL (214738)	
Dimensions (Ø x H)	5.93" x 3.89" (150.5 x 98.8 mm)	

## Dimensions



## Accessories

CDMPMD10	Pendant Mount
CDMWMD10	Wall Mount

**COSTAR**  
VIDEO SYSTEMS

101 Wrangler, Suite 201 • Coppell, Texas 75019 • Phone: 469-635-6800 • Fax: 469-635-6822 • Toll Free: 1-888-694-STAR (7827)

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

Specifications and design are subject to change without notice. Conversions: 1" = 25.4mm Measurement conversions are approximate.

# CDI2110VIRF Specifications

Privacy Masking	Yes; 16 Zones
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