

**2 Megapixel Network  
Outdoor Dome Camera  
IR LEDs****DirectIP™****Description:**

The CDI2109VIR 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.

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 - 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
- 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
- Heater model available (CDI2109VIRH)
- Power over Ethernet (PoE) or DC12V

# CDI2109VIR Specifications

Model	Lens (mm)	Resolution
CDI2109VIR	3 - 9 mm	2 Megapixel
CDI2109VIRH (with heater)	3 - 9 mm	2 Megapixel

Power		
Source	PoE or DC12V	
PoE	CDI2109VIR CDI2109VIRH	IEEE 802.3af IEEE 802.3at
Consumption	CDI2109VIRF CDI2109VIRFH	4.8 Watts 19.2 Watts (Heater powered from 12vdc only)

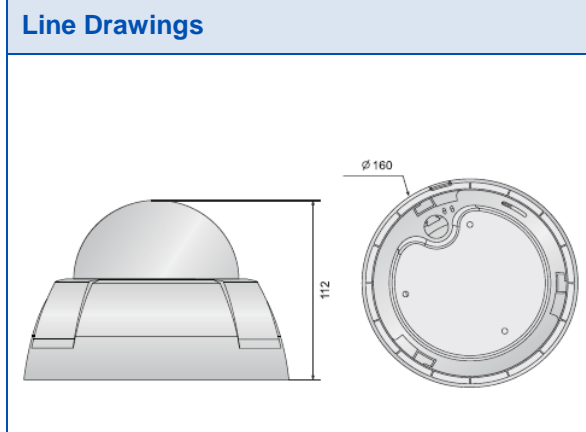
Sensor	
Image Sensor	1/2.7" CMOS
Scanning Mode	Progressive Scan
Resolution	1920 x 1080
Lens Type	Vari-focal
Lens Focal Length	f = 3-9 mm
Aperture	F = 1.2-2.3
Iris	DC Auto iris
IR LEDs	18 LEDs
IR Range	65 feet (20 m) range
Minimum Illumination	Color: 0.5 Lux @ F1.2 BW: 0 Lux @ F1.2 (IRs On)
Frame Rate	Up to 30 fps
S/N Ratio	42 dB
Wide Dynamic Range	70 dB
Electronic Shutter	Auto / Manual: 1/30 ~ 1/8000 Anti-Flicker: Slow Shutter: 1/7.5, 1/15
Viewing Angle	Wide: 131°D, 123°H, 64°V Tele: 43°D, 37°H, 20°V
Pan/Tilt Range	Pan: -167° ~ 167° Tilt: -60° ~ 60°

Video Features	
Video Output	1 Composite
Video Compression	H.264, MJPEG
Compression Resolution	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Bitrate Control	H.264 - CBR / VBR
Bitrate	Up to 12 Mbps
External Storage	micro SD Card (Class 6 or higher, 32GB)
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
Privacy Masking	Yes

Network	
<i>DirectIP™ Mode</i>	
Security	SSL Encryption
Remote Access Client	iRAS 3.0
Streaming Video	Quadruple Stream
Camera Protocol	DirectIP V1.0.0
<i>iNEX™ Compatibility Mode</i>	
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

General Information		
Temperature	CDI2109VIR	14°F to 122°F (-10°C to 50°C)
	CDI2109VIRH	- 40°F to 122°F (-40°C to 50°C)
Humidity	90% RH Max	
Approvals	IP66, FCC, CE	
Dimensions (Ø x H)	6.3" x 4.8" (160 x 122 mm)	



Accessories	
CDMPM10	Pendant Mount
CDMWM10	Wall Mount

**COSTAR**  
VIDEO SYSTEMS

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