

**2 Megapixel Network  
Outdoor Dome Camera  
Wide Dynamic Range****Direct IP™****Description:**

The CDI2109VW DirectIP™ outdoor dome camera provides high quality video at 2 megapixel resolution. The IP66 weatherproof rating makes this dome camera suitable for outdoor applications. The Wide Dynamic Range (WDR) feature allows the camera to use two shutter speeds combining them into one progressive scan frame. This results in clear image quality in various lighting conditions. 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 mega pixel resolution (1080p)
- 3 - 9 mm vari-focal lens
- 1/2.8" CMOS Progressive Scan image sensor
- 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)
- Wide Dynamic Range (WDR)
- Multiple compression (H.264, MJPEG)
- IP66 weatherproof rated
- Power over Ethernet (PoE) or DC12V

# CDI2109VW Specifications

Model	Lens (mm)	Resolution
CDI2109VW	3 - 9 mm	2 Megapixel

Power	
Source	PoE or DC12V
PoE	802.3af
Consumption	4.8 Watts
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 Control	DC Auto Iris
Frame Rate	Up to 30 fps
Minimum Illumination	Color: 0.01 Lux @ F1.2 BW: 0.004 Lux @ F1.2
S/N Ratio	45 dB
Dynamic Range	108 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	352 x 240, 704 x 480, 1280 x 720, 1920 x 1080
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; 16 Zones
Wide Dynamic Range	Yes

## Network

### DirectIP™ Mode

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

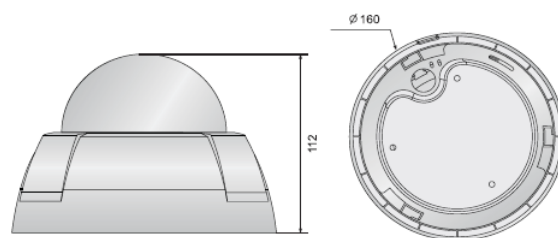
### iNEX™ Compatibility Mode

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

## General Information

Temperature	14°F to 122°F (-10°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)

## Dimensions



## Accessories

CDMWM10	Wall Mount
CDMPM10	Pendant 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.