

### 2 Megapixel Network Outdoor Dome Camera IR LEDs Remote Focus Wide Dynamic Range



## Direct IP™

#### Description:

The CDI2110VIRFW 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 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.

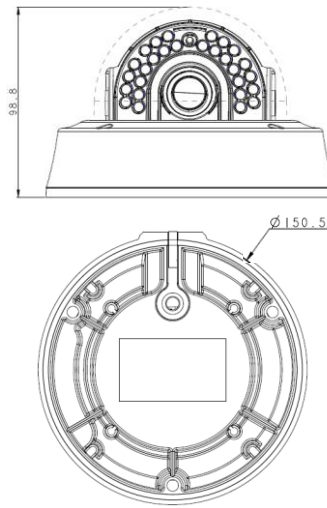
#### Features:

- 2 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)
- Wide Dynamic Range (WDR)
- Multiple compression (H.264, MJPEG)
- IP66 weatherproof rated
- IK10 vandal resistant housing
- Power over Ethernet (PoE) or DC12V

# CDI2110VIRFW Specifications

Model	Lens (mm)	Resolution
CDI2110VIRFW	3.3 - 10 mm	2 megapixel

Power	
Source	PoE or DC12V
PoE	IEEE 802.3af class 3
Consumption	19.2 Watts (Heater powered by 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)
Frame Rate	Up to 30 fps
Minimum Illumination	Color: 0.007 Lux @ F1.3 BW: 0 Lux @ F.13 (IRs On)
S/N Ratio	More than 45 dB
Dynamic Range	120 dB (True WDR)
Electronic Shutter	Auto / Manual: 1/30 ~ 1/10000 Anti-Flicker: Slow Shutter: 1~1/5, 1/7.5, 1/15
Viewing Angle	Wide: 118.2°D, 99.8°H, 52.2°V Tele: 38.3°D, 33.5°H, 18.6°V
Pan/Tilt Range	Pan: -176° ~ 176° Tilt: 0° ~ 66° Rotate: -90° ~ 90°
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 - VBR
Bitrate	Up to 10 Mbps
External Storage	micro SD/SDHC
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; 2DNR / 3DNR
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
Remote Focus	Yes; Motorized Zoom
Wide Dynamic Range	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	Quadruple 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	-40°F to 122°F (-40°C to 50°C)
Humidity	0% ~ 90%
Approvals	IP66, IK10, FCC, CE, KC, UL (E214738)
Dimensions (Ø x H)	6.11" x 4.39" (155 x 111.5 mm)
Dimensions	
	
Accessories	
CDMPMD11	Pendant Mount
CDMWMD11	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.