

DirectNET Remote Head IP Megapixel Cameras

1080p/2.1MP Megapixel (MP) H.265/H.264/MJPEG Day/Night Indoor Remote Head IP Camera with 2.4mm or 4.3mm Fixed Lens, True WDR (Wide Dynamic Range), and Audio



The Costar Video Systems DirectNET Indoor Remote Head camera provides high quality video at 2.1 megapixel resolution. The advanced H.265 codec allows for smaller recording file sizes and lower transmission bandwidth on your network. The Remote Head camera is available with either a 2.4mm or 4.3mm Fixed-Focal Board Lens.

Costar's DirectNET cameras have true plug-and-play capability with the XD10 and 25 Series recorders and are compatible with StarNET Video Management Software (VMS). StarNET is the remote access software that allows users to

remotely view live and recorded video. StarNET incorporates features such as advanced event notification, map monitoring, system status monitoring and many more. Costar's DirectNET cameras are ONVIF supported. ONVIF is an industry standard that ensures interoperability between IP-based security products regardless of brand.



Ultra Low Profile Design



Remote Head Camera



120dB Wide Dynamic Range



Day/Night Functionality



±90° Image Pivot and Image Flip



Quadruple Streams



Tri-Encoder H.265/H.264/MJPEG



512GB Max Capacity MicroSDXC Card Slot

Series Features

- 2.1 Megapixel (1080p) Resolution
- 2.4mm or 4.3mm Fixed-Focal Board Lens
- 1/2.8" CMOS Progressive Scan Image Sensor
- Day/Night
- DirectNET protocol selectable
- MicroSD memory card supported (512GB)
- NDAA Compliant
- Back Light Compensation (BLC)
- Digital Noise Reduction (DNR)
- True Wide Dynamic Range (TWDR 120db)
- Multiple Compression (H.265, H.264, MJPEG)
- Power over Ethernet (PoE) or 12VDC
- Video In Standard EIA-568-B Pinout Max 100ft.

Camera Imaging Specifications

Model		CCI2D25R	CCI2D43R
Image Sensor		1080p (2.1MP) CMOS Progressive Sensor	1080p (2.1MP) CMOS Progressive Sensor
Optical Format		1/2.8"	1/2.8"
Minimum Illumination	Color (Day Mode)	0.1 Lux	0.1 Lux
	B/W (Night Mode)	0.01 Lux	0.01 Lux
Full FOV Resolution		1920 H x 1080 V	1920 H x 1080 V
Scaling (See Scaling Resolutions Below)		Yes	Yes
Dynamic Range		120dB	120dB
Frame Rates*		Up to 30fps	Up to 30fps
Lens		2.4mm, F2.0, H-FOV = 132.5°, V-FOV = 72.7°, D-FOV = 154.7°	4.3mm, F2.0, H-FOV = 81.6°, V-FOV = 42.3°, D-FOV = 99°

Programmability

Optics	2.4mm	Fixed focal length, fixed iris, board type
	4.3mm	Fixed focal length, fixed iris, sharp cone
Programmable Shutter Speed	Auto/manual: 1/30 ~ 1/10000 Slow shutter: 1~1/5, 1/7.5, 1/15	
S/N Ratio	More than 45dB	
Motion Detection	Motion adaptive transmission (MAT)	
Privacy Masking	8 Zones	
Backlight Compensation	On / Off / HSBC / WDR	
Auto White Balance	Supported	
Flicker Control	Supported	
Mirroring/Pivot	Horizontal / Vertical / Pivot	
Scaling	1920x1080, 1280x720, 640x360, 352x240	
Wide Dynamic Range	Adjustment between WDR and LDR modes	
Noise Reduction	3D Noise Reduction	
Miscellaneous	Sharpness, 3DNR, Exposure	
CVBS	Yes	

Data Transmission

Compression Type	H.265/H.264 (MPEG-4, Part 10)/Motion JPEG
Compression Level	Basic, Standard, High, Very High
Bit Rate Control	H.264 - CBR/VBR, H.265 - CBR/VBR
Bit Rate	Up to 12Mbps
Intelligent Codec	Supported
Camera Protocols	DirectNET 2.0, ONVIF Profile S
Transmission Protocols	DirectNET 2.0 Protocol, IPv4, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP RTSP/TCP, HTTP, HTTPS, FTP, SNMP, SMTP, FEN, mDNS, UPnP
	10/100Base-T Ethernet network interface, RJ45
Multi-Streaming	Quadruple H.265/H.264/M-JPEG streams
Security	HTTPS, IP Filtering, SSL Encryption, User/Group Permissions
Remote Access Clients	DirectNET NVR, StarNET, StarNET Mobile

Event Management

Event Trigger	Motion Detection, Alarm in, Audio detection, Tampering, Trip Zone
Event Buffering	Up to 60MB
Notifications	Remote S/W, Email (with image)

Compliance

Industry Standard	ONVIF Profile S conformant
Approval	FCC, CE, KC, NDAA Compliant

Environmental

Operating Temperature	-10°C (14°F) to +50°C (122°F) starting up above 32°F (0°C)
Humidity	0% to 90% (non-condensing)

General Electrical

Alarm Input/Output	1 TTL input/1 relay output
Video Input	EIA-568-B pinout max 100ft
Power Over Ethernet	PoE IEEE 802.3at, Class 4
	Total PoE solution (no external power requirement)
Auxiliary Power	12V DC, 0.42A
Power Consumption	5.04W, 6.3W PoE

Audio Electrical

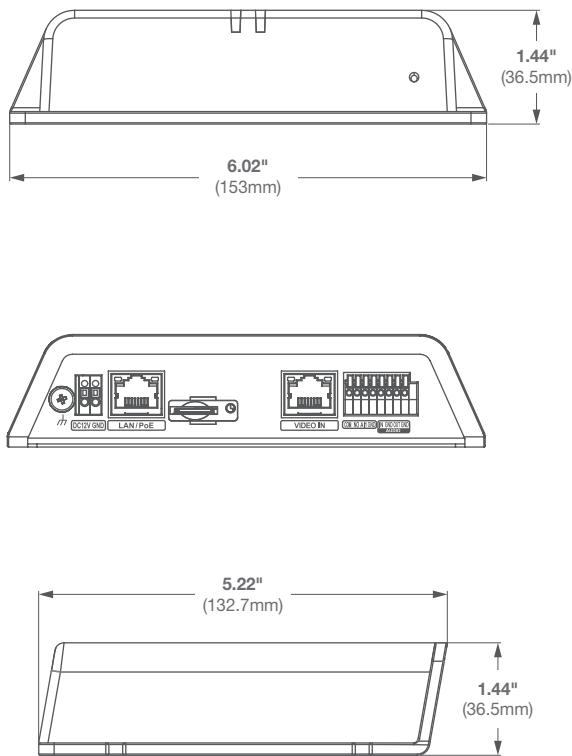
Streaming	Two-way
Compression	G.726, G.711 U-Law, G.711 A-Law
Input/Output	Line in / Line output

Mechanical

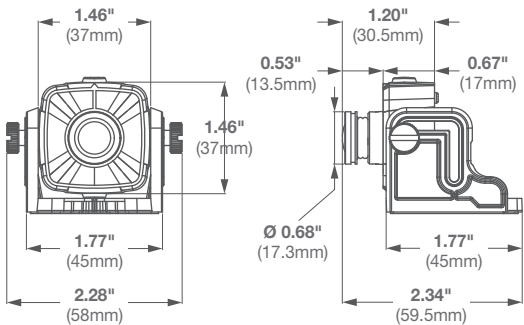
Mount	Camera mounting bracket included	
Dimensions <i>(See Dimensions)</i>	Main Module	1.44" H (36.5mm) x 6.02" W (153mm) x 5.22" D (132.7mm)
	2.4mm Camera	1.46" H (37mm) x 1.46" W (37mm) x 1.2" L (30.5mm) Body Only 2.28" H (58mm) x 1.77" W (45mm) x 2.34" L (59.5mm) With Bracket
	4.3mm Camera	1.46" H (37mm) x 1.46" W (37mm) x 1.02" L (26.3mm) Body Only 2.28" H (58mm) x 1.77" W (45mm) x 2.18" L (55.3mm) With Bracket
Weight	Main Module	1.05lbs (0.474kg)
	2.4mm Camera	0.128lbs (0.06kg)
	4.3mm Camera	0.128lbs (0.06kg)
On Board Storage	MicroSDXC slot up to 512GB (card not included)	

Dimensions

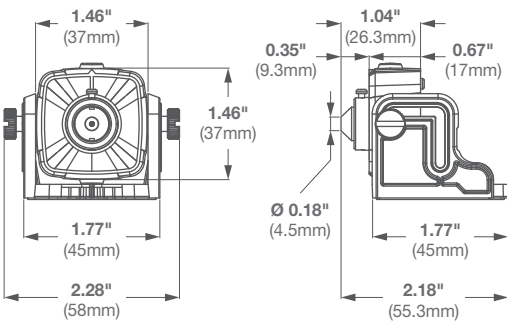
Main Module



2.4mm Camera



4.3mm Camera



See Next Page for Ordering Information



Model Numbers

1080p / 2.4mm Lens	CCI2D25R	WDR
1080p / 4.3mm Lens	CCI2D43R	WDR

Accessories

Mullion Mount for CCI2D43R (Black)	CHMMB
Mullion Mount for CCI2D43R (Silver)	CHMMS

Bundles

CCI2D43R + CHMMB	CCI2D43RMB
CCI2D43R + CHMMS	CCI2D43RMS

Configurations



Remote Head with 2.4mm Lens



Remote Head with 4.3mm Lens

Create Your Model (Example: CCI2D25R)

	Megapixel Resolution	Lens	Body Type
--	----------------------	------	-----------

