RightCom®

CS4000-360-IR SERIES

Ultra High Definition 12 Mega Pixels Panomorph 360° IP Camera with IR Illuminator

ImmerVision Enables®

12 MEGA PIXEL | TRUE MPEG-4 AVC H.264 | 4K SUPPORT | Quad View | IR LED 5 Mt | AUDIO | IK10 | IP66 | RoHS COMPLIANT | ONVIF Profile S

DESCRIPTION

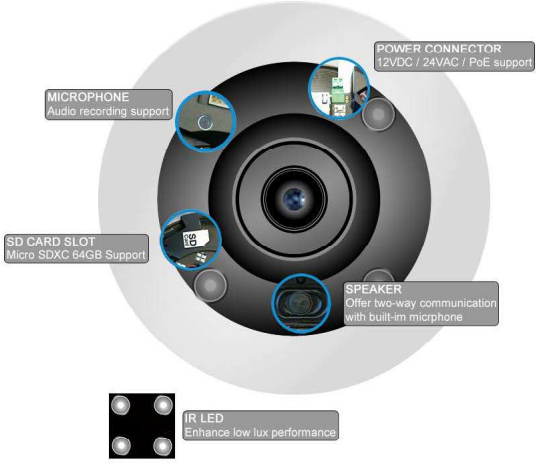
The CS4000-360-IR Series is a Multiple Streams Ultra High Definition ImmerVision Panomorph IP Camera with high resolution surveillance solution features 180 ° panoramic view (wall mount) or 360° panoramic view (ceiling mount) without blind spots. The camera supports 12 Mega Pixels streaming.

The ImmerVision Panomorph lenses offers optimal sensor pixel coverage and magnification in zones of interest. The viewing functionality offers immersive navigation on live and recorded 360° images. Panomorph technology is the most effective way to achieve more coverage, better image quality and compatibility. Moreover, the Edge Dewarping function of the camera can dewarp the fisheye source images. With this feature, the dewarped images in panoramic view or other different viewing modes can be recorded. Furthermore, with the IR LED module, camera can deliver clear images in low light conditions. For more ures of this camera please see below.

MAIN FEATURES

* Progressive Scan CMOS Sensor
* Software Dewarping: 12M Resolution @ 20 fps
* Edge Dewarping, Up to 4M Resolution Real-Time
* 180° and 360° panoramic view
* Quad Streams Compression: H.264 Baseline / Main / High Profile + MJPEG
* Multiple Dewarp Display Modes, Digital PTZ / Panorama View / Quad View
* Smart Event Function
  Audio Detection / Motion Detection / Network Failure Detection / Tampering Alarm
* Multiple and Dynamic Region of Interest (ROI) Windows
* Smart TextOverlay and Privacy Masks
* Wide Dynamic Range
* Day/Night (ICR)
* IR LED Module
* Built-in MIC & Speaker
* 2D/3D Noise Reduction / Color Noise Reduction
* Vandal Resistant IK10
* IP66 International
* MicroSD and NAS Recording Support
* ONVIF-S Support

ELEMENTS



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TECHNICAL SPECIFICATIONS

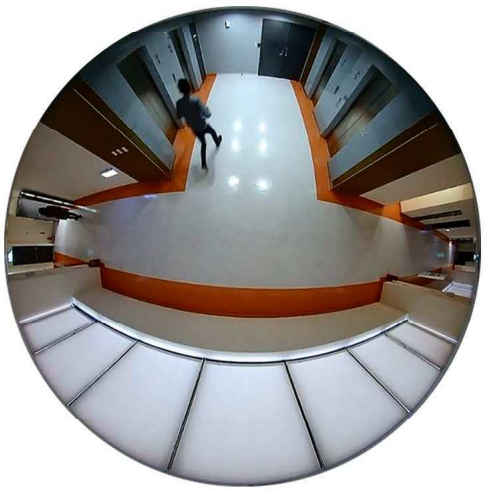
Camera		
Image Sensor		1/1.7" Sony Progresive CMOS
Effective Pixels		12M
Minimum Illumination		Color: 0.04 // B/W: 0.002
Shutter Speed		1 ~ 1/10000 sec.
Lens		
Lens	Stereo Projection	1/2" Panomorph Lens
Lens Mounting		M12
Focal Length		1.55 mm
F Number		F2.0
FOV		185 @ Full Resolution
Operation		
Multiple Languages		English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Spanish
Image Setting	Backlight Compensation	On / Off
	White Balance	Manual / AWB / ATW / One Push
	Noise Reduction	3DNR / 2DNR / ColorNR
	Wide Dynamic Range	On / Off
	Privacy Mask	On / Off
	Brightness	Manual
	Exposure	Auto / Manual
	Sharpness	Manual
	Contrast	Manual
	Saturation	Manual
	Hue	Manual
	Digital Zoom	Support
	Privacy Mask Type	Color
	ICR	Auto / LED On / LED Off / Smart IR / Light Sensor
	IR Threshold	Adjustable levels
Event Setting	Motion Detection	By Schedule / On / Off
	Tampering Alarm	By Schedule / On / Off
	Network Failure	By Schedule / On / Off
	Audio Detection	On / Off
Audio	Two-way Audio	Built-in Speaker (Max. 2W Mono) & Microphone
	Compression	G.711 / G.726 / AAC / LPCM
Network		
Interface		RJ-45, 1Gbps Ethernet
Video Compression		MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile / SVC
Video Streaming	Edge Dewarping	Dual Streaming H.264 4M (2048 x 2048) @20fps + H.264 1080P @20fps H.264 1.98M (1408 x 1408) @25/30fps + H.264 1080P @25/30fps Note: MJPEG supports for resolution of 1080p or under
	SW Dewarping	Single Streaming H.264 12M (4000 x 3000) @ 20 fps, H.264 4K (3840 x 2160) @ 30 fps H.264 / MJPEG 1080p @ 50/60fps
		Dual Streaming H.264 4K (3840 x 2160) @ 20 fps + 1080p @ 25/30 fps H.264 1080p @ 50/60 fps + H.264 1080p @ 25/30 fps Note: MJPEG supports for resolution of 1080p or under
		Quad Streaming NTSC: H.264 1080P @ 60fps + H.264 SXGA @ 60fps + H.264 D1 @ 60fps + H.264 CIF @ 60fps Note: 1 of the streamings can be MJPEG
Video Resolution	Edge Dewarping	H.264 - 2048x2048 / 2688x1520 / 2048x1536 / 1920x1080 / 1600x1200 / 1408x1408 / 960x960 / 960x720 / 960x554 MJPEG - 1920x1080 / 1600x1200 / 1408x1408 / 960x960 / 960x720 / 960x554
	SW Dewarping	H.264 - 12M (4000 x 3000) / 6M (3072 x 2048) / Full HD 1080p / SXGA / HD 720p / XGA / SVGA / D1 / VGA / CIF / QVGA MJPEG - Full HD 1080p / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
Video Windows under ePTZ		4
Video Dewrap and Analytic Engine		Edge Embedded (Camera Side)
Protocol		ARP, IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF
Security		HTTPS / IP Filter / IEEE 802.1X
Alarm	Input	1 Set, 5V 10kΩ pull up
	Output	1 Set, Photo Relay Output 300V DC/AC
Event Notification		HTTP / FTP / SMTP
Micro SD		microSDXC 64GB support
Supported Web Browser		Internet Explorer (6.0+) / Chrome / Firefox / Safari
User Account		20
Password Levels		User and Administrator
Mechanical		
IR Illuminator	Working Distance	5m
	Wavelength	850 nm
	Number of LEDs	4
Connectors	Alarm & Audio	7 Pin Terminal Block
	Power	2 Pin Terminal Block
	Ethernet	RJ-45
All-in-one Cable		
Audio I/O		Line in / Line Out
Alarm		4 Pin Terminal Block
Power		2 Pin Terminal Block / GND
General		
Operating Temperature		-10°C ~ 50°C
Humidity		10% ~ 90%, No Condensation
Weatherproof Standard		IP66
Dimension		ϕ 117 x 42.7 mm
Weight		330g
Power Source		PoE / DC 12V
Consumption	PoE // DC 12V	9W // 10W
Regulatory		CE / FCC / RoHS

MODEL

CS4000-360-IR

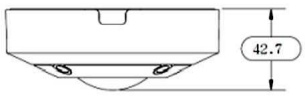
Ultra High Definition 12 Mega Pixels Panomorph Series IP Camera, Outdoor, ePTZ, Quad View, 180 ° panoramic view (wall mount), 360° panoramic view (ceiling mount), Efective Pixels 4000(H) x 3000(V), H.264, ImmerVision Panomorph Lens Certified, Microphone, Speaker, SD Card Slot, IR Illuminator, DC 12V / PoE, ONVIF, IP66, Vandal Resistant IK10.

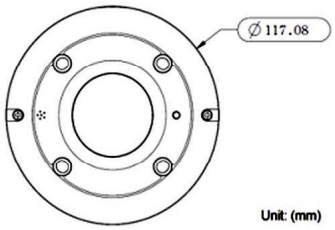
CAPACITY



WIDE COVERAGE WITHOUT BLIND SPOT

DIMENSIONS





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