



The P4320 is a compact, yet powerful fisheye dome camera featuring many cutting-edge technologies. The high resolution fisheye lens provides 360° surround view with image detail even at the normally weak edges; the backside illuminated 4-Megapixel image sensor ensures good low light sensitivity; our advanced fisheye dewarping algorithms keeps distortion lower than others while putting less computing loading on the server; and last but not least, video can be streamed in the ultra-efficient H.265 format, which has up to 50% lower bitrates and cuts your bandwidth and storage requirements in half. It also features a removable IR-cut filter, MicroSD/SDHC/SDXC edge storage, PoE, two-way audio and alarm input/output, making it a extremely versatile camera with maximum coverage.

Features :

- 1/3" 4-Megapixel CMOS Sensor
- H.265, H.264, and Motion JPEG Compression
- 30fps @ 2048 x 1520
- 1.05mm, 2.0 fisheye lens
- WDR
- IVS (Intelligent Video Surveillance)
- True day & night with automatic removable IR-cut filter
- Two-way audio and built-in microphone
- 1x alarm input, 1x alarm output
- Edge storage
- RTC with built-in battery
- SSL v3 advanced HTTPS encryption
- Supports Samba network storage
- Multi-lingual user interface
- ONVIF 2.4 and Profile S compliant
- Free 64-channel ZAVIO CamGraba 2.0 NVR software



Technical Specifications :

Camera	
Model	P4320 3MP Panoramic Fisheye IP Camera
Image Sensor	1/3" 4-megapixel CMOS sensor
Lens	F2.0, 1.05mm
Angle of View	180° horizontal ; 160° vertical
Min. illumination	0.05 lux @ F2.0 (color) ; 0.001 lux @ F2.0 (B/W)
Day/Night Function	Mechanical IR cut filter

Video	
Video Compression	Motion JPEG ; H.264 baseline/ main profile/ high profile ; H.265
Resolutions	Motion JPEG/ H.264/ H.265:
	2 profiles from 1920 x 1080 to 320 x 240
	2 profiles from 640 x 480 to 320 x 240
Frame Rate	Motion JPEG/ H.264/ H.265: up to 30 fps at 2048 x 1520
Video Streaming	Simultaneous Motion JPEG, H.264, H.265
	Controllable frame rate and bandwidth
	Support unicast
	(Real Time Streaming Protocol)
Image Settings	Rotation: mirror, flip, mirror flip
	WDR
	Brightness, contrast, saturation, sharpness
	Overlay capabilities: time, date, text and privacy Image
	ROI
	Defog

Audio	
Audio Streaming	Two-way (full duplex)
Audio Compression	G.711 μ law, a law, AMR
Audio Input/Output	Built-in microphone, line input and line output



System

Connectors	RJ-45 Ethernet 10/ 100 Base-T (PoE)
	Reset button
	2pin terminal block for DC power
	6pin cable for 1 alarm input, 1 output, 1 audio line in 1 audio line out
Local Storage	MicroSD Card slot
LED Indicator	Power status indicator ; Network link indicator
Software Integration	ONVIF 2.4 & Profile S
Video Management Software	Camera Installation Tool & Video Management Software ZAVIO
	CamGraba 2.0 for viewing recording and archiving up to 64 cameras
	See http://www.zavio.com/softwaredownloads.php
	for more software application

General

Casing	Aluminum casing
Power	DC 12V or PoE IEEE 802.3af class 1
	Power consumption: Max 4.65W
Operation Conditions	-10 ~ 50 °C (14 ~ 122 °F)
Dimensions	φ115 x 54mm (φ4.53" x 2.13")
Weight	240g (0.53lb)
Security	Multiple user access levels with password protection, HTTPS encryption
Alarm and Event Management	Input: alarm buffer, alarm input, motion detection
	Output: network storage, FTP, SMTP, HTTP event, alarm
	Pre-and post alarm buffer
Installation, Management and Maintenance	ZAVIO camera management tool on CD and web-based configuration
	Configuration of backup and restore firmware upgrades over HTTP
	Firmware available at www.zavio.com
Minimum Web Browsing Requirement	Pentium 4 2.8GHz (or equivalent AMD)
	256MB RAM graphic cards (or equivalent on-board graphic cards)
	1GB RAM
	Window XP, Vista, or Windows 7 ; Mac OS Leopard 10.5 or later



WDR

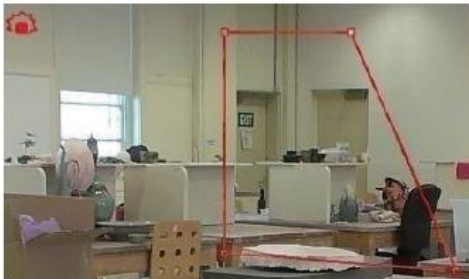


WDR off



WDR on

IVS Pro



Perimeter Detection



Tripwire Detection

Applications



1. Office
2. Public Area

CCTV
YOUR FUTURE SECURITY PARTNER