

# P4320 | Fisheye Mini Dome 3MP Mini Camera

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Innovating IP since 2006



- 1/3" 4MP CMOS sensor
- Fixed 1.05mm, F2.0
- Smart Codec + H.265
- 3MP @ 30fps
- 3D DNR
- 100dB WDR
- ROI (Region Of Interest)
- Defog
- Operating conditions -10~ 60°C
- Micro SD/SDHC/SDXC card slot up to 128GB
- Two-way audio, with built-in mic.
- 1 alarm in / 1 alarm out
- 12V DC & PoE (802.3af)
- ONVIF 2.4 & Profile S

The P4320 is a compact, yet powerful fisheye mini dome camera featuring 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; and last but not least, video can be streamed in the ultra-efficient H.265 format, which cuts your bandwidth and storage requirements in half and combined with ZAVIO Smart Codec to further lower the bandwidth and storage consumption to 80% less than normal H.264 cameras.

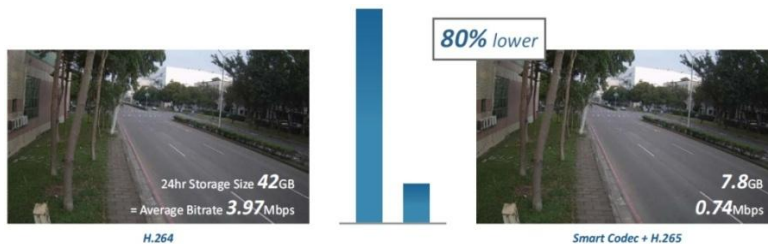
It also features a removable IR-cut filter, local storage, PoE, two-way audio and alarm I/O, making it a extremely versatile camera with maximum coverage.

Compatible with ZAVIO CamGraba 2.0, the most professional free NVR Software that can support up to 64 IP cameras.

## Features

### Smart Codec + H.265

ZAVIO Smart Codec + H.265 reduces bandwidth and storage requirements by a stunning 80% compared to standard H.264 camera.



WDR off



WDR on

### WDR

Cameras with WDR will take multiple exposures of the full scene and merge them together to provide an image that extends further than the human eye can perceive.

### ROI (Region Of Interest)

Defining a Region Of Interest will allow you to spend less bandwidth in areas that are less important while relocating resolution on the most relevant areas.



## Technical Specifications

### Camera

<b>Camera Type</b>	3MP Fisheye Mini Dome
<b>Image sensor</b>	1/3" CMOS sensor
<b>Lens</b>	Fixed 1.05mm, F2.0
<b>Horizontal view angle</b>	360°
<b>IR working distance</b>	-
<b>Min</b>	0.3 lux @ F2.0 (color) 0.03 lux @ F2.0 (B/W)
<b>WDR</b>	100dB
<b>Day/Night function</b>	Mechanical IR cut filter, Light sensor

### Video & Audio

<b>Resolutions</b>	Motion JPEG/H.264/H.265: 2 Profile from 2048 x 1520 to 320 x 240 (total 3 resolutions) 2 Profile from 640 x 480 to 320 x 240 (total 2 resolutions)
<b>Video compression</b>	Motion JPEG H.264 baseline/ main profile/high profile H.265
<b>Frame rate</b>	H.265/H.264: up to 30 fps at 2048 x 1520 Motion JPEG : up to 30 fps at 2048 x 1520
<b>Video</b>	Simultaneous Motion JPEG, H.264, H.265 Controllable frame rate and bandwidth Support unicast and multicast (RTSP)
<b>Image settings</b>	Brightness, contrast, saturation, sharpness Overlay capabilities: time, date, text and privacy Image ROI 3D DNR Defog -
<b>Audio support</b>	Two-way (full duplex) with built-in microphone
<b>Audio compression</b>	G.711 u law, a law, G.726, AMR

### I/O & Connector

<b>Ethernet</b>	RJ-45 Ethernet 10/100 Base -T
<b>Power Supply</b>	Terminal block, 12V DC, 1A Power consumption: Max 3.5W PoE(Power over Ethernet) built-in IEEE 802.3af
<b>Alarm I/O</b>	6 pin connector, 1/1
<b>Audio connector</b>	6 pin connector, line in & line out
<b>Analog video output</b>	-
<b>RS-485</b>	-
<b>Edge storage</b>	Micro SD/SDHC/SDXC up to 128GB
<b>Buttons</b>	Reset push button
<b>Other(s)</b>	-

### Alarm & Event

<b>Event type</b>	Alarm input, motion detection, audio detection, periodical, network link down.
<b>Alarm action</b>	Network storage, edge storage, FTP, SMTP, HTTP event, HTTPS, alarm out pre and post event image.

### Network

<b>Users</b>	10 simultaneous users
<b>Security</b>	Multiple user access levels with password protection, HTTPS encryption
<b>Supported protocols</b>	IPv4, IPv6, Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP
<b>ONVIF</b>	2.4 & Profile S

### General

<b>Housing</b>	Aluminum Alloy
<b>Ingress Protection</b>	-
<b>Impact Protection</b>	-
<b>Other(s)</b>	Built-in microphone -
<b>Operating conditions</b>	Starting temperature: 0 ~ 60°C Humidity 10-100% RH Working temperature: -10 ~ 60°C Humidity 10-100% RH
<b>Dimensions</b>	φ115 x 54mm
<b>Weight</b>	240g excl. power supply
<b>Included accessories</b>	Quick installation guide, mounting and connector kit.
<b>Optional accessories</b>	-
<b>Certification</b>	CE, FCC, RoHS
<b>Language</b>	Chinese, Croatian, Czech, Danish, Dutch, English, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Slovak, Spanish, Swedish, Turkish

### System Requirements

<b>Operating system</b>	Windows XP / 7 / 8 / 8.1, MAC OS, Linux
<b>Browser</b>	Internet Explorer 9 / 10 / 11, Chrome, Firefox, Safari

### Software

<b>Video management software</b>	ZAVIO CamGraba 2.0 IP System software, for viewing, recording and archiving up to 64 cameras.
<b>Installation, management and maintenance</b>	ZAVIO Installation Tool makes camera management easier camera image preview, firmware upgrade of multiple cameras, reset cameras to default while keeping network settings, etc.

