P4520 | Fisheye Mini Dome
5MP Mini Camera

ZAVIO
Innovating IP since 2006

- · 1/1.8" 5MP CMOS sensor
- · Fixed 1.49mm, F2.0
- · Smart Codec + H.265
- · 5MP @ 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 P4520 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; huge 5-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.
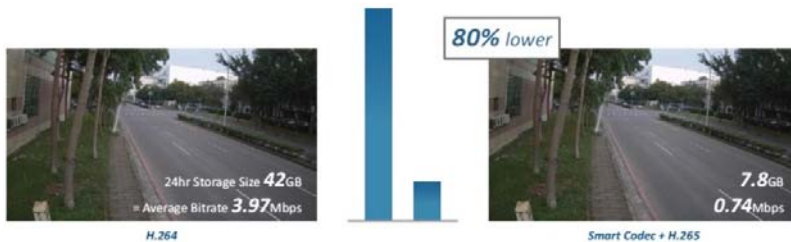
It also features a removable IR-cut filter, local storage, PoE, two-way audio and alarm I/O, making it a extremely versatile camera with maximum coverage.

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

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.
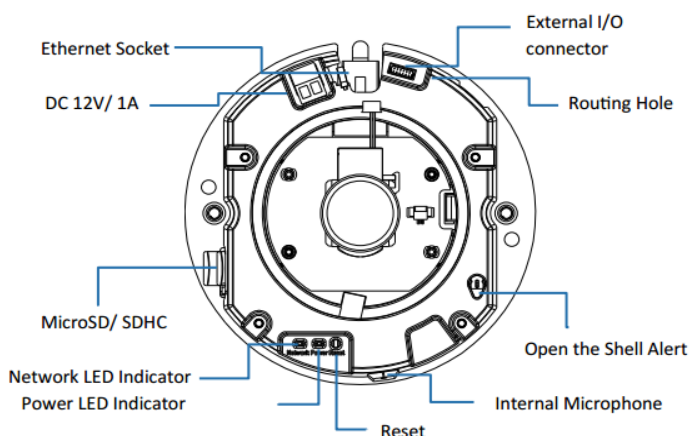
Technical Specifications

Camera

Camera Type	5MP Fisheye Mini Dome
Image sensor	1/1.8" CMOS sensor
Lens	Fixed 1.49mm, F2.0
Horizontal view angle	360°
IR working distance	-
Min illumination	0.08 lux @ F2.0 (color)
	0.008 lux @ F2.0 (B/W)
WDR	100dB
Day/Night function	Mechanical IR cut filter, Light sensor

Video & Audio

Resolutions	Motion JPEG/H.264/H.265:
	2 Profile from 2560 x 1920 to 320 x 240 (total 4 resolutions)
	2 Profile from 640 x 480 to 320 x 240 (total 2 resolutions)
Video compression	Motion JPEG
	H.264 baseline/ main profile/high profile
	H.265
Frame rate	H.265/H.264: up to 30 fps at 1080p, 15fps at 5MP
	Motion JPEG : up to 30 fps at 1080p, 10fps at 5MP
Video streaming	Simultaneous Motion JPEG, H.264, H.265
	Controllable frame rate and bandwidth
	Support unicast (Real Time Streaming Protocol)
Image settings	Brightness, contrast, saturation, sharpness
	Overlay capabilities: time, date, text and privacy Image
	ROI
	3D DNR
	Defog
	-
Audio support	Two-way (full duplex) with built-in microphone
Audio compression	G.711 u law, a law, G.726, AMR

I/O & Connector

Ethernet	RJ-45 Ethernet 10/100 Base -T
Power Supply	Terminal block, 12V DC, 1A
	Power consumption: Max 4.2W
	PoE(Power over Ethernet) built-in IEEE 802.3af
Alarm I/O	6 pin connector, 1/1
Audio connector	6 pin connector, line in & line out
Analog video output	-
RS-485	-
Edge storage	Micro SD/SDHC/SDXC up to 128GB
Buttons	Reset push button
Other(s)	-

Alarm & Event

Input	Alarm buffer, alarm input, motion detection, audio detection, periodical, network link down.
Output	Network storage, edge storage, FTP, SMTP, HTTP event, HTTPS, alarm out pre and post event image.

Network

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

General

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

System Requirements

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

Software

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