

# D4520 | Mini Dome 5MP Outdoor IR Compact Camera

www.zavio.com

**ZAVIO**  
Innovating IP since 2006



- 1/3.2" 5MP CMOS sensor
- Fixed 2.8mm, F2.0
- Smart Codec + H.265
- 5MP @ 15fps
- 90dB WDR
- 15m IR range with Smart IR
- ROI (Region Of Interest)
- Corridor mode
- Operating conditions -30~ 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)
- IP66\* & IK10
- ONVIF 2.4 & Profile S

Remark: \*with junction box

ZAVIO D4520 is a small sized camera with high performance technology. Latest H.265 compression to cut bandwidth in half, with ZAVIO's smart codec feature further lowering bandwidth and storage consumption to 80% less than normal H.264 cameras. Class-leading WDR to handle the most challenging lighting conditions.

The D4520 is designed for quick and easy installation. With 3 axis angle adjustment and support of Corridor mode, D4520 is ideal for numerous indoor application such as home, office, hallways and aisles. Addition to its IK08 vandal-proof housing and optional IP66 outdoor kit, the ZAVIO D4520 can also be easily installed for outdoor applications.

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

## Optional accessories

**Accessory:** Junction box / L type bracket  
**Item number:** AD-M01 / AD-M04  
**Dimensions:** 117 x 36mm /  
**Compatible with:** D4211, D4320, D4520

Junction box



L type bracket



## 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.

### Smart IR

Smart IR automatically adjusts brightness of the IR illuminators to the scene content, effectively avoiding overexposure of objects that are too close to the camera.



### 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

### Corridor Mode

Corridor Mode allows you to get a vertically oriented video stream from the camera, maximizing image quality while eliminating bandwidth and storage waste.



Landscape mode

Corridor mode

## Technical Specifications

### Camera

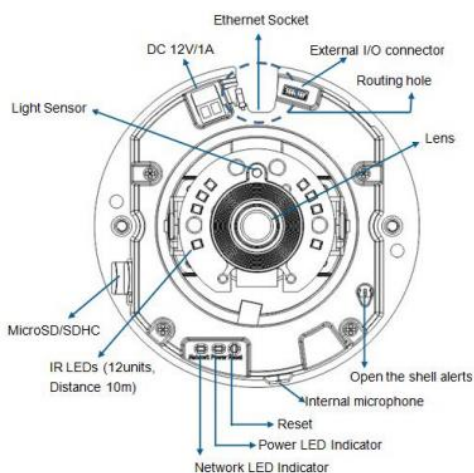
<b>Camera Type</b>	5MP Outdoor IR Mini Dome
<b>Image sensor</b>	1/3.2" CMOS sensor
<b>Lens</b>	Fixed 2.8mm, F2.0
<b>Horizontal view angle</b>	85°
<b>IR working distance</b>	15m effective range with Smart IR
<b>Min</b>	0.3 lux @ F2.0 (color) 0.03 lux @ F2.0 (B/W)
<b>WDR</b>	90dB
<b>Day/Night function</b>	Mechanical IR cut filter, Light sensor

### Video & Audio

<b>Resolutions</b>	Motion JPEG/H.264/H.265: 2 Profile from 2560 x 1920 to 640 x 360 (total 6 resolutions) 2 Profile from 640 x 480 to 640 x 360 (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 1080p, 15fps at 5MP Motion JPEG : up to 30 fps at 1080p, 10fps at 5MP
<b>Video</b>	Simultaneous Motion JPEG, H.264, H.265 Controllable frame rate and bandwidth Support unicast and multicast (RTSP)
<b>Image settings</b>	Rotation: mirror, flip, mirror flip, corridor mode 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 6.3W 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, tampering, tripwire, people density, perimeter.
<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>	IP66 rated weatherproof housing (with junction box)
<b>Impact Protection</b>	IK08 rated vandalproof housing
<b>Other(s)</b>	Built-in microphone -
<b>Operating conditions</b>	Starting temperature: -10 ~ 60°C Humidity 10-100% RH Working temperature: -30 ~ 60°C Humidity 10-100% RH
<b>Dimensions</b>	φ115 x 70mm
<b>Weight</b>	300g excl. power supply
<b>Included accessories</b>	Quick installation guide, mounting and connector kit.
<b>Optional accessories</b>	Junction box AD-M01, L type bracket AD-M04
<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.

