# ZAVIO D4520
# 5MP IR Mini Dome IP Camera

**ZAVIO**

*Innovating IP since 2006*

- – 15fps @ 2560 x 1920
- – H.265, 50% lower bitrate
- – Smart IR 10m
- – Corridor mode
- – ROI
- – IK08 vandal-proof
- – IP66 with optional outdoor kit

**ONVIF**

| 5 Megapixel | WDR | H.265 | Day/ Night | Two-way Audio | Alarm I/O | PoE |
| Micro SD | Motion Detection | 3-axis Design | ROI | Corridor Mode | | |
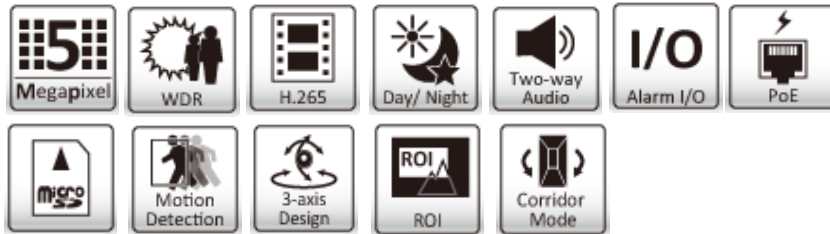
The ZAVIO D4520 is an outdoor ready IR Mini Dome Camera, featuring 5MP resolution with video image of 2560 x1920 at 15 fps. Latest H.265 compression to cut bandwidth and storage requirements in half.

As a true day and night camera, the ZAVIO D4520 has a automatic removable IR-cut filter and 10m Smart IR illuminators, can solve the problem of infrared LEDs whiting out images. Besides, D4520 has Corridor Format and ROI technology that allow camera to maximize video surveillance in narrow vertical situations and to decrease non-ROI's image quality to save on maximum bandwidth and storage.

Coupled with its small size, 3-axis mounting mechanism, IK08 vandal-proof and IP66 optional outdoor ready kit, D4520 is designed to be mounted on walls or ceilings, indoor or outdoor.

Compatible with ZAVIO CamGraba 2.0, the most professional NVR software for free bundled can support up to 64 IP cameras and plug-and-play cloud solution, you can easily setup a surveillance system and 24-7 monitor from mobile devices, PC or laptop without any extra cost.

## Accessories

. Outdoor box

. L-type bracket

## Available Models

D4211, D4320,
D4520, P6211

## Related models

| Model Name | D4211 | D4320 | D4520 |
| --- | --- | --- | --- |
| Feature | IR | IR | IR |
| | Mini Dome | Mini Dome | Mini Dome |
| | Full HD 1080p | 3MP | 5MP |
| | H.264 | H.265 | H.265 |
| | PoE | PoE | PoE |
| | IP66(optional)/ IK08 | IP66(optional)/ IK08 | IP66(optional)/ IK08 |

*Made in Taiwan*

www.zavio.com

## Features

- 1/3.2" 5-Megapixel CMOS sensor
- H.265, H.264, and Motion JPEG compression
- 15fps @ 2560 x 1920
- 2.8mm, F2.0 megapixel fixed lens
- True day & night with automatic removable
- IR-cut filter
- Smart IR 10m
- Corridor mode
- ROI(region of interested)
- Two-way audio and built-in microphone
- 1 x alarm input, 1 x alarm output

- RTC with built-in battery
- Screwless 3-axis angle adjustment for easy installation on wall or ceiling
- IK08 vandal-proof
- IP66 weatherproof with optional outdoor kit
- SSL v3 advanced HTTPS encryption
- Full support for Firefox, Safari and Mac OS
- Supports Samba network storage
- Multi-lingual user interface
- ONVIF 2.4 and Profile S compliant
- Free 64 channels ZAVIO CamGraba 2.0 NVR software
- Supports True Plug and Play Cloud Solution

## WDR



WDR off



WDR on

## Applications





1. Office
2. Public Area

## IP Surveillance Solutions

### . Free 64ch NVR Software

The most professional NVR software you can get for free!
- Support up to 64 channels
- Up to 128 channels remote live view
- Remote playback 16 channels
- Multi-site / multi-server
- Transcoding (record high quality, transcode to different resolution / frame rate for remote client to save bandwidth)
- iOS/ Android mobile client (multi-channel live view | playback | PTZ & I/O control)
- E-maps (up to 4 layers | unlimited number of maps | video preview)
- Dual monitor
- ePTZ
- Multi-lingual user interface



### . ONVIF

All IP cameras are ONVIF 2.x & Profile S compliant, and continuously upgraded to comply with the latest versions



### . NVR Recorders

The most cost-efficient way to professionally view, record and manage up to 32 Full HD cameras
- Up to 32 channels
- Up to 4HDDs or 16TB of storage
- Up to 160Mbps recording throughput
- Free CMS up to 128 channels remote live view
- Free P2P service, no more router settings
- One click setup
- HDMI, VGA dual video output
- RAID 0,1
- Supports 3rd party cameras

# Technical Specifications

## Camera

| | |
|---|---|
| Model | D4520 5MP IR Mini Dome IP Camera |
| Image sensor | 1/3.2" 5 MP CMOS sensor |
| Lens | F2.0, 2.8mm |
| Angle of view | 85° horizontal |
| 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: |
| | 6 resolutions including from 2560 x 1920 to 640 x 360 |
| Frame rate | H.264/ H.265: 15 fps at 2560 x 1920, 30fps at 2048 x 1536 |
| | MJPEG: 10fps at 2560 x 1536, 15fps at 2048 x 1536 |
| | 30fps at 1920 x 1080 |
| 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 |
| | Smart IR |

## Audio

| | |
|---|---|
| Audio streaming | Two-way (full duplex) |
| Audio compression | G.711 μ law, a law, AMR, G.726 |
| Audio input/output | Built-in microphone, line input and line output |

## Network

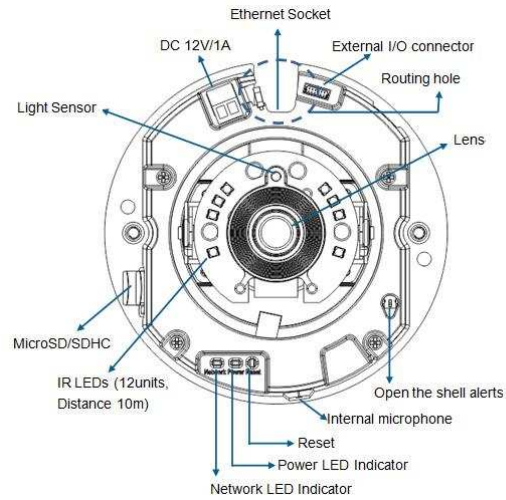| | |
|---|---|
| Security | Multiple user access levels with password protection, HTTPS encryption |
| Supported protocols | Bonjour, TCP/IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP |
| Users | 10 simultaneous users |

## Alarm and Event Support

| | |
|---|---|
| Alarm and event management | Input: network link down, alarm input, motion detection, periodical, audio detection |
| | Output: network storage, FTP, SMTP, HTTP event, alarm out |
| | HTTPS server |
| | Pre- and post event image |

## System

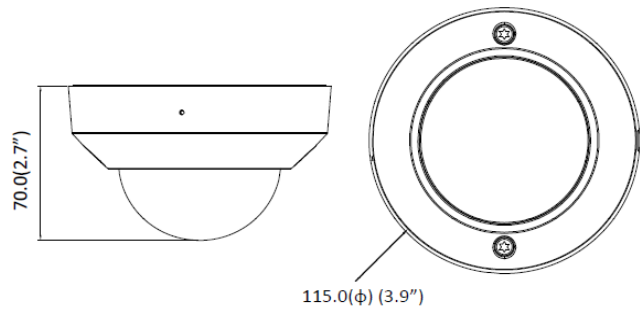| | |
|---|---|
| Connectors | RJ-45 Ethernet 10/ 100 Base-T (PoE) |
| | Reset button |
| | 2pin terminal block for DC power |
| | 6pin cable for 1 alarm input, 1 output, |
| | 1 audio line in 1 audio line out |
| Local storage | MicroSD card slot |
| LED Indicator | Power status indicator |
| | Network link indicator |
| Software integration | ONVIF 2.4 & Profile S |
| Video management software | Camera Installation Tool & Video Management Software-ZAVIO CamGraba2 0 for viewing recording and archiving up to 64 cameras |

## General

| | |
|---|---|
| Casing | Aluminum casing |
| Power | DC 12V or PoE IEEE 802.3af class 1 |
| | Power consumption: Max 6.1W |
| Operating conditions | Starting temperature: -10 ~ 50 °C ( 14 ~ 122 °F) |
| | Working temperature: -30~ 50 °C ( -22 ~ 122 °F) |
| Installation, management, and maintenance | ZAVIO camera management tool on website and web-configuration. Configuration of backup and restore firmware upgrades over HTTP, firmware available at www.zavio.com |
| Minimum web browsing requirement | Intel Core i5 CPU @ 2.0GHz (or equivalent AMD) |
| | 512MB RAM graphic cards |
| | (or equivalent on-board graphic cards) |
| | 2GB RAM |
| | Windows 7 or later |
| | Mac OS Leopard 10.5 or later |
| Dimensions (HxWxD) | φ115 x 70mm (3.9" x 2.7") |
| | φ115 x 103.7mm (3.9" x4.14.7") junction box is included |
| Weight | 300g (0.66lb) excl. power supply |
| Included accessories | Quick installation guide, plastic plate and connector kits |
| Certification | CE, FCC, RoHS |

## Integration

| | |
|---|---|
| Video management software | ZAVIO CamGraba IP System software, for viewing, recording and archiving up to 64 cameras |
| | See http://www.zavio.com/softwaredownloads.php |
| | for more software application |

## Part Names and Functions



## Dimensions



70.0(2.7")

115.0(φ) (3.9")

Unit: mm (inches)