

# ZAVIO D8220 2MP Motorized P-iris Outdoor



- H.265, 50% lower bitrate
- 1080p60 + WDR Extreme
- IVS Pro
- Motorized lens + P-iris
- Adaptive IR 20m
- -40°C Low Temperature



The all new ZAVIO D8220 dome camera has it all. Latest H.265 compression to cut bandwidth and storage requirements in half. Edge IVS (built-in analytics) to reduce server loading and false alarms. Class-leading WDR to handle the most challenging lighting conditions. Superior low-light sensitivity that still sees when you don't. Adaptive IR Pro that not only automatically adjusts the power of the IR illuminators, but also it's angle, to fit the view angle of the motorized lens, which can be easily focused by the Smart Focus function, remotely of course. Built-in fan and heater allow the camera to operate in the most extreme environments (-40°C to 60°C).



The D8220 can be used in all kinds of applications, ranging from traffic, airports to public area surveillance and extreme applications. 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.

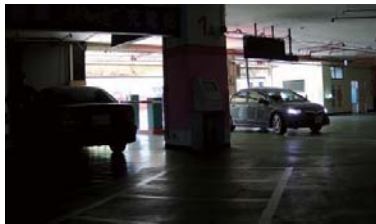
### Related models

Model Name	D8220	D8210	D7510
Feature	Outdoor Vandalproof	Outdoor Vandalproof	Outdoor Vandalproof
	Full HD 1080p, H.265	Full HD 1080p, H.264	5MP, H.264
	WDR extreme	-	-
	IVS Pro	-	-
	Motorized + P-iris	Motorized + P-iris	Varifocal Lens
	Adaptive IR 20m	Adaptive IR 20m	IR 20m
	-40 ~ 60°C	-40 ~ 60°C	-10 ~ 50°C

## Features

- 60 fps @ 1080p
- H.265 saving 50% bandwidth
- Motorized 2.8-12 mm, F1.6, P-iris, Smart focus
- Adaptive IR 20m
- WDR extreme
- Starlight
- IVS pro (intelligent video surveillance)
- Smart feature: Adaptive IR, Corridor Mode, ROI
- Defog
- RS-485 supports pan/ tilt motors
- Two-way audio, line in and line out
- 1 x alarm input, 1 x alarm output
- Edge storage
- -40°C low temperature
- IK10 vandal-proof
- IP66 weatherproof
- Screwless 3-axis angle adjustment for easy installation on wall or ceiling
- 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

## WDR Extreme

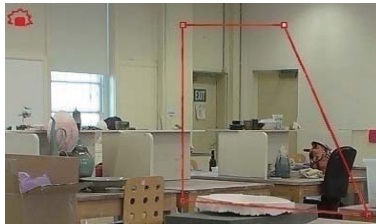


WDR off



WDR on

## IVS Pro



Perimeter Detection



Tripwire Detection

## Applications



1. City Surveillance
2. Industrial

## 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
- Supports POS (Point-of-sale)
- Small and lightweight



# Technical Specifications

Camera	
<b>Model</b>	D8220 2MP Motorized P-iris Outdoor Dome
<b>Image sensor</b>	1/3" megapixel CMOS sensor
<b>Lens</b>	F1.6, 2.8 - 12 mm motorized, P-iris lens
<b>Angle of view</b>	33° - 104° horizontal
<b>Min illumination</b>	0.05 lux @ F1.6 (color) 0.001 lux (B/W) 0 lux (IR LED on)
<b>IR working distance</b>	20m effective range Adaptive IR, adjustable brightness via FW
<b>IR LEDs</b>	High performance IR LED x 16(850nm)
<b>Day/Night function</b>	Mechanical IR cut filter

Video	
<b>Video compression</b>	Motion JPEG H.264 baseline/ main profile/ high profile H.265
<b>Resolutions</b>	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
<b>Frame rate</b>	Motion JPEG/ H.264/ H.265: up to 60 fps at 1920 x 1080
<b>Video streaming</b>	Simultaneous Motion JPEG, H.264, H.265 Controllable frame rate and bandwidth Support unicast (Real Time Streaming Protocol)
<b>Image settings</b>	Rotation: mirror, flip, mirror flip WDR Brightness, contrast, saturation, sharpness Overlay capabilities: time, date, text and privacy Image ROI, corridor mode Defog

Audio	
<b>Audio streaming</b>	Two-way (full duplex) Line in/ line out
<b>Audio compression</b>	G.711 $\mu$ law, a law/ G.726/ AMR

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

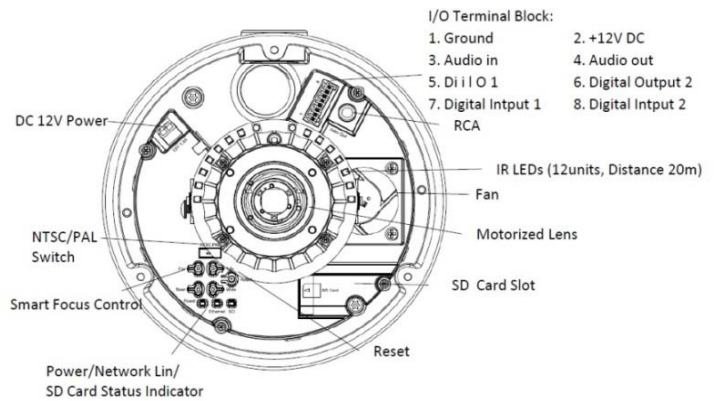
Alarm and Event Support	
<b>Alarm and event management</b>	Input: alarm buffer, alarm input, motion detection Output: network storage, FTP, SMTP, HTTP event, alarm Pre- and post alarm buffer
<b>IVS</b>	Tampering detection, tripwire, perimeter

System	
<b>Connectors</b>	RJ-45 for Ethernet 10/100/1000 Base-T (with PoE) 2 pin terminal blocks for DC power Smart Focus control buttons Terminal blocks for alarm input/ alarm output Line in/ line out Reset push button NTSC/ PAL switch RCA connector for analog video output
<b>Local storage</b>	SD/ SDHC card slot
<b>LED Indicator</b>	Power status indicator Network link indicator SD card status indicator
<b>Software integration</b>	ONVIF 2.4

General	
<b>Casing</b>	Aluminum casing
<b>Housing</b>	IP66 rated weatherproof , IK10 vandal-proof
<b>Power</b>	12V DC, 1A Power consumption: Max 14W PoE (Power over Ethernet) built-in IEEE 802.3af/ at(Class 0)
<b>Operating conditions</b>	-40 ~ 60 °C (-40 ~ 140 °F)
<b>Installation, management, and maintenance</b>	ZAVIO camera management tool on CD and web-based configuration. Configuration of backup and restore firmware upgrades over HTTP, firmware available at <a href="http://www.zavio.com">www.zavio.com</a>
<b>Dimensions (HxWxD)</b>	$\phi$ 165 x 125mm (6.50" x 4.92")
<b>Weight</b>	1670g (3.69lb) excl. power supply
<b>Included accessories</b>	Quick installation guide, CD (Camera Installation Tool, Video Management Tool, User Manuals, Camera Language Packs) mounting and connector kits
<b>Certification</b>	CE, FCC, RoHS

Integration	
<b>Video management software</b>	ZAVIO CamGraba IP System software, for viewing, and archiving up to 64 cameras See <a href="http://www.zavio.com/softwaredownloads.php">http://www.zavio.com/softwaredownloads.php</a> for more software application

## Part Names and Functions



## Dimensions

