# 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.26		5MP, H.264	
	WDR extreme	-	-	
	IVS Pro - Motorized + P-iris Motorize	-	-	
		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
- · 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 tamperature
- · IK10 vandal-proof
- · IP66 weatherproof
- · Screwless 3-axis angle adjustment for easy instalation 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 on

WDR off

## **IVS Pro**





**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
- Multi-lingual user interface

## · ONVIF



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

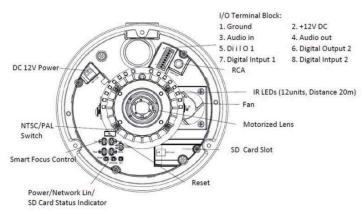


# **Technical Specifications**

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Camera			
Model	D8220 2MP Motorized P-iris Outdoor Dome		
Image sensor	1/3" megapixel CMOS sensor		
Lens	F1.6, 2.8 - 12 mm motorized, P-iris lens		
Angle of view	33° - 104° horizontal		
Min illumination	0.05 lux @ F1.6 (color)		
	0.001 lux (B/W) 0 lux (IR LED on)		
IR working distance	20m effective range		
in working distance	Adaptive IR, adjustable brightness via FW		
IR LEDs	High performance IR LED x 16(850nm)		
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:		
	2 resolutions from 1920 x 1080 to 320 x 240 via API		
	2 resolutions from 640 x 480 to 320 x 240 via API		
Frame rate	Motion JPEG/ H.264/ H.265: up to 60 fps at 1920 x 1080		
Video streaming	Simultaneous Motion JPEG, H.264, H.265		
	Controllable frame rate and bandwidth		
	Support unicast  (Pool Time Streaming Protocol)		
Image settings	(Real Time Streaming Protocol)  Rotation: mirror, flip, mirror flip		
illiage settings	WDR		
	Brightness, contrast, saturation, sharpness		
	Overlay capabilities: time, date, text and privacy Image		
	ROI, corridor mode		
	Defog		
Audio			
Audio Audio streaming	Two-way (full duplex)		
Audio streaming	Line in/ line out		
Audio streaming  Audio compression			
Audio streaming  Audio compression  Network	Line in/ line out G.711 μ law, a law/ G.726/ AMR		
Audio streaming  Audio compression	Line in/ line out G.711 $\mu$ law, a law/ G.726/ AMR  Multiple user access levels with password protection,		
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General			
Casing	Aluminum casing		
Housing	IP66 rated weatherproof , IK10 vandal-proof		
Power	12V DC, 1A		
	Power consumption: Max 14W		
	PoE (Power over Ethernet) built-in IEEE 802.3af/ at(Class 0)		
Operating conditions	-40 ~ 60 °C (-40 ~ 140 °F)		
Installation,	ZAVIO camera management tool on CD and		
management, and	web-based configuration. Configuration of backup		
maintenance	and restore firmware upgrades over HTTP, firmware		
	available at www.zavio.com		
Dimensions	φ165 x 125mm		
(HxWxD)	(6.50" x 4.92")		
Weight	1670g (3.69lb) excl. power supply		
Included accessories	Quick installation guide, CD (Camera Installation Tool,		
	Video Management Tool, User Manuals, Camera Language		
	Packs) mounting and connector kits		
Certification	CE, FCC, RoHS		
Integration			
Video management	ZAVIO CamGraba IP System software, for viewing,		
software	and archiving up to 64 cameras64 cameras		
	See http://www.zavio.com/softwaredownloads.php		
	for more software application		

## **Part Names and Functions**



# **Dimensions**

