

ZAVIO



2018

IP Cameras & Surveillance Solutions

About ZAVIO

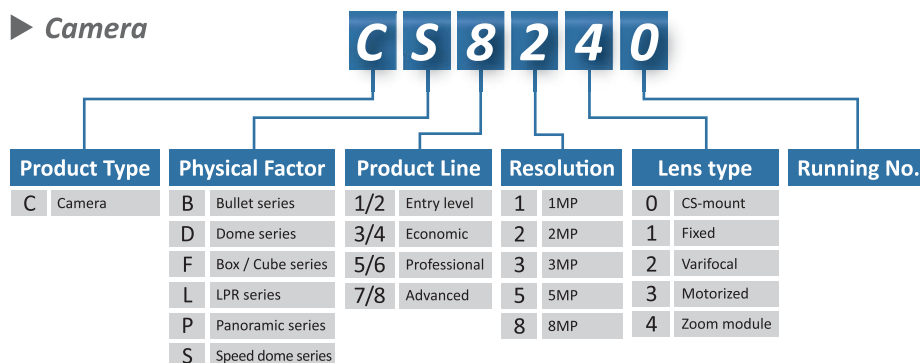
ZAVIO Inc., founded in Taiwan in 2006, is one of the leading manufacturers that have been focusing purely on IP surveillance since day one. Today we use this experience and the continuous pursuit for improvement to provide value to our customers.

With more than 10 years in the IP camera market, ZAVIO is gradually expanding its product range to provide a better and more complete solution. Its products and services include accessories, IP cameras, NVRs and management software with seamless integration – satisfying the different market demands.

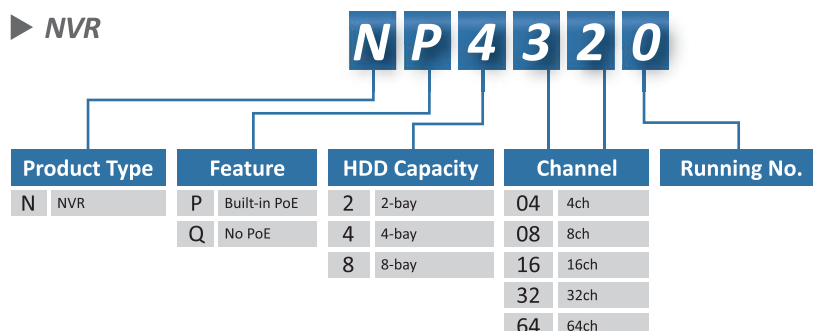
ZAVIO is committed to provide customers with the most cost-effective products. With 100+ distributors over the world, ZAVIO solutions has been deployed in great deals of vertical markets, including retail, industrial, education, banking, governmental, hotel, residential and more.

New naming rule

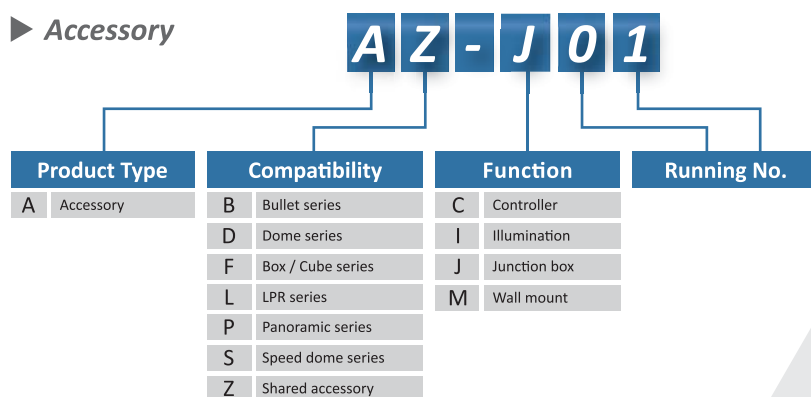
► Camera



► NVR



► Accessory



New naming rule is applicable for products released after 2017.
Previously released products will not be renamed.

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ZAVIO Solution



IP Cameras

Wide range of IP cameras available to satisfy the different market demands and industry applications. See page 9 for camera features.



Network Video Recorders

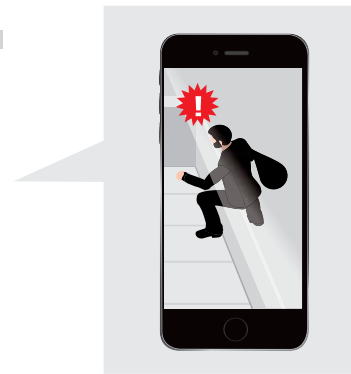
Delivers seamless integration and on-board camera batch maintenance. See page 5 for NVR features.



ZAVIOR mobile APP

Allows instant and easy access to any ZAVIO devices anytime anywhere.

- Live view up to 64ch
- Playback with variable speed
- Search and add devices via IP address / QR code / Wi-Fi
- Supports two-way audio, manual recording and PTZ control



Z+ Management Software

Provides seamless integration of both ZAVIO cameras and NVRs, enabling users to view and manage all ZAVIO devices from a single platform.

- Live view up to 253ch
- Playback thumbnail search
- Device batch maintenance
- Embedded camera settings

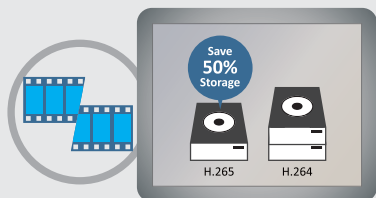


P2P Solution

Designed to ease the arduous process of establishing remote connections.

- No need for port-forwarding or other complicated network configurations.
- Available on all ZAVIO devices to use with ZAVIOR and Z+.

NVR Features



H.265

ZAVIO NVRs offers greater recording capacity when compared to systems employing H.264. For optimum storage saving, please use with ZAVIO H.265 cameras.



4K Resolution

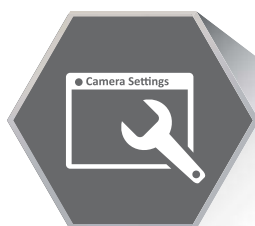
Live view and record ultra HD videos with ZAVIO NVRs. Appreciate the finest details with a resolution that is 4 times the standard full HD.



Camera Batch Maintenance

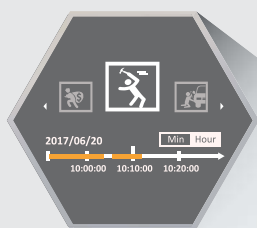
Effectively manage camera batches with ZAVIO NVRs. Functions include:

- Upgrade firmware
- Upload language pack
- Reboot
- Reset to default
- Configure stream settings
- Change account settings
- Set up date and time
- Activate IVS licenses



Embedded Camera Settings

Easily configure ZAVIO cameras without the hassle of logging to each and every camera interface. With embedded camera settings, all the connected cameras are just one click away.



Playback Thumbnail Search

Intuitive search method that displays thumbnails of recorded events, allowing users to rapidly find video recordings.



E-MAP

Supports multi-layer maps for users to pinpoint the position of the connected cameras. When triggered by event, liveview videos of the camera will pop-up, ensuring rapid response and efficient management.



Built-in PoE

Reduces the time and cost of installation by removing the inconvenient need to pull separate power cables for the cameras. ZAVIO NVR supports up to 8 independent ports.



ONVIF

Additional to the seamless integration of ZAVIO devices, the network video recorders are also compatible with 3rd party ONVIF compliant network cameras.

2HDD Series NVR

- Up to 16ch
- Up to 12TB storage capacity
- Up to 8MP recording resolution
- Camera batch maintenance
- Built-in PoE*



ZAVIO 2HDD series are ideal for small installations of 16ch or less – its small size and user friendly interface makes it perfect for retails, boutique, and residential surveillance.

Model name	NQ2040	NQ2080
Channels	4	8
Recording Throughput	40Mbps	80Mbps
Network Bandwidth	40Mbps	80Mbps
H.265/H.264 Decoding	120fps @ 1080p or 30fps @ 4K	120fps @ 1080p or 30fps @ 4K
Playback Channel	4	8
Video Output	HDMI	
Output Resolution	Up to 4K	
Hard Disks	2 x 3.5" SATA	
Max. Capacity per HDD	6TB	
RAID Level	0, 1	
Ethernet	1 x RJ45 10/100 Mbps	
USB	4 x USB 2.0	
Audio Support	One-way 1 x RCA output	
Alarm I/O	4 / 1	
Operating System	Linux	
Dual Stream Recording	✓	
P2P Service	✓	
Remote Clients	Windows application, Mobile APP (Android / iOS)	
ONVIF Profile G	✓	
Power	DC 12V 4A	
Max. Power Consumption	48W	
Dimensions	363 x 242 x 47mm	
Weight (without HDD)	1.65kg	
Operating Temperature	0°C - 50°C	

8HDD Series NVR

- Up to 64ch
- Up to 48TB storage capacity
- Up to 12MP recording resolution
- Camera batch maintenance
- Dual display
- POS Integration



ZAVIO 8HDD series are full-featured high-performance NVRs, suitable for large installations due to its capacity to hold longer recordings by applying H.265 compression in its huge storage space.

Model name	N8320
Channels	32
Recording Throughput	320Mbps
Network Bandwidth	256Mbps
H.265/H.264 Decoding	480fps @ 1080p or 120fps @ 4K
Playback Channel	16
Video Output	HDMI, VGA
Output Resolution	Up to 4K (HDMI)
Hard Disks	8 x 3.5" SATA
External Storage	1 x eSATA
Max. Capacity per HDD	6TB
RAID Level*	0, 1, 5, 10
Ethernet	2 x RJ45 10/100/1000 Mbps
USB	3 x USB 2.0, 1 x USB 3.0
Audio Support	Two-way 1 x RCA input, 1 x RCA output
Alarm I/O	4 / 4
Operating System	Linux
Dual Stream Recording	✓
P2P Service	✓
Remote Clients	Windows application, Mobile APP (Android / iOS)
ONVIF Profile G	✓
Power	AC 100-240V 5A
Max. Power Consumption	500W
Chassis	2U 19" rack-mount
Dimensions	440 x 432 x 90mm
Weight (without HDD)	7kg
Operating Temperature	0°C - 50°C

Remark: *RAID will decrease maximum throughput.

Camera Features

Smart Codec + H.265

ZAVIO's proprietary Smart Codec consists of intelligent algorithms that analyzes and optimizes the video streams to further lower the bandwidth and storage requirements.



H.264



Smart Codec + H.265

Starlight

Combining cutting-edge sensor and advanced noise reduction technology to provide high quality camera that can capture highly detailed color images even under challenging lighting conditions.



Other Cameras

ZAVIO Starlight Cameras

Intelligent Video Surveillance (IVS)

Embedded video analytics feature designed to provide greater cost-effectiveness and scalability by preventing potential threats and reducing false alarms.



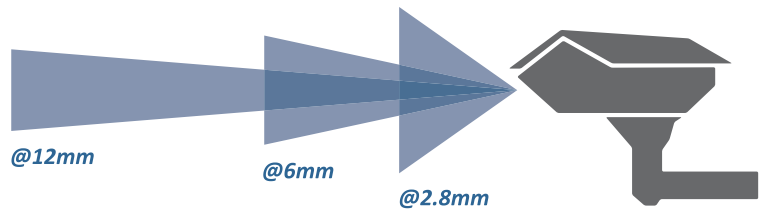
Built-in fan & heater

Designed for Extreme series, built-in fan and heater allows the camera to withstand harsh environment conditions.



Adaptive IR

The IR illumination automatically adapts to the scene content as well as the camera's zoom position, overcoming hotspot issues and other shortcomings of static IR.



Adaptive IR: Off



Adaptive IR: On

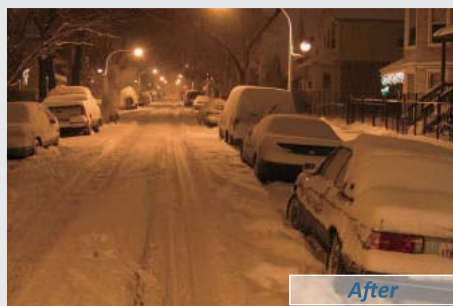


Anti-Reflective & Anti-Smudge coating

The combination of AR and AS glass coating provides low reflection, low loss of light and clean view of the scene.

Defog

Helps improve the image's visibility and clarity by removing bad weather effect through image correction algorithms.



Glass Demister

Available on all ZAVIO Extreme series, Glass Demister solves the inconvenient result of dramatic temperature change by evaporating the water droplets off the glass with the built-in heater.

Cube

- H.264
- 10m IR range
- PIR detection
- Built-in mic. & speaker



Panoramic

- Smart Codec + H.265
- Multi-exposure WDR
- Built-in microphone



Designed for ease of installation, cube series camera are small and smart making it ideal for home surveillance and small businesses.

With 360° coverage, the panoramic series are an effective alternative to installing multiple cameras to cover a wide view, saving time and money.

Model name	F4215	P4520
Image Sensor	1/2.8" CMOS	1/1.8" CMOS
Lens	3.6mm, F2.0	1.49mm, F2.0
View Angle	82°	360°
IR Illuminators	10m IR Range	-
Min. Illumination	0.05lux @ F2.0 (color) 0.005lux @ F2.0 (B/W)	0.08lux @ F2.0 (color) 0.008lux @ F2.0 (B/W)
WDR	D-WDR	100dB
Image Settings	Corridor mode, ROI	Defog, ROI
Resolution	1920 x 1080	2560 x 1920
Frame Rate	30	30
Video Compression	H.264, MJPEG	H.265, H.264, MJPEG
Multiple Streams	4 streams	4 streams
Audio Support	Two way with built-in microphone and speaker	Two way with built-in microphone
Audio Compression	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726
Analog Video Output	-	-
Alarm I / O	1/1	1/1
Supported Protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP	
ONVIF	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S
Edge Storage	MicroSD/SDHC up to 32GB	MicroSD/SDHC/SDXC up to 128GB
Power	12V DC, 802.3af PoE	12V DC, 802.3af PoE
Weather/Vandal-Proof	-	-
Operating Temperature	-10°C - 40°C	-10°C - 60°C
Dimensions	φ73 x 129 x 85mm	φ115 x 54mm
Weight	200g	240g
Accessories (Optional)	-	-

Mini Dome

- Smart Codec + H.265
- Multi-exposure WDR
- 30m Smart IR
- IVS
- Built-in microphone



Mini dome series are perfectly suited where discreet and vandal-resistant cameras are required, such as retail stores and schools.

Model name	D4220 	D4320V2
Image Sensor	1/2.8" CMOS	1/3" CMOS
Lens	2.8mm, F2.0	2.8mm, F2.0
View Angle	100°	87°
IR Illuminators	30m Smart IR	30m Smart IR
Min. Illumination	0.005lux @ F2.0 (color) 0.0005lux @ F2.0 (B/W)	0.1lux @ F2.0 (color) 0.01lux @ F2.0 (B/W)
WDR	120dB	100dB
Image Settings	Corridor mode, Defog, ROI	Corridor mode, Defog, ROI
Resolution	1920 x 1080	2304 x 1296 / 2048 x 1536
Frame Rate	30	30
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Multiple Streams	4 streams	4 streams
Audio Support	Two way with built-in microphone	Two way with built-in microphone
Audio Compression	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726
Analog Video Output	-	-
Alarm I / O	1/1	1/1
RS-485	-	-
Supported Protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP	
ONVIF	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S
Edge Storage	MicroSD/SDHC/SDXC up to 128GB	MicroSD/SDHC/SDXC up to 128GB
Power	12V DC, 802.3af PoE	12V DC, 802.3af PoE
Weather/Vandal-Proof	IP67 / IK08	IP67 / IK08
Operating Temperature	-30°C - 60°C	-30°C - 60°C
Dimensions	φ119 x 80mm	φ119 x 80mm
Weight	400g	400g
Accessories (Optional)	AD-M05 Wall mount AD-J01 Junction box	AD-M05 Wall mount AD-J01 Junction box

Mini Bullet

- Smart Codec + H.265

- 1080P @ 25fps

- 25m Smart IR*



Perfect for outdoor installations such as parking lots, service stations and general indoor surveillance purposes where a compact camera is needed.

Model name	CB3210	CB3211
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
Lens	2.8mm, F2.0 / 3.6mm, F1.8	2.8mm, F2.0 / 3.6mm, F1.8
View Angle	96° / 82°	96° / 82°
IR Illuminators	25m IR range	25m Smart IR
Min. Illumination	0.05lux @ F2.0 / F1.8 (color) 0.005lux @ F2.0 / F1.8 (B/W)	0.05lux @ F2.0 / F1.8 (color) 0.005lux @ F2.0 / F1.8 (B/W)
WDR	D-WDR	D-WDR
Image Settings	Corridor mode, ROI	Corridor mode, ROI
Resolution	1920 x 1080	1920 x 1080
Frame Rate	25	25
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Multiple Streams	4 streams	4 streams
Audio Support	-	Two way
Audio Compression	-	G.711 u law, a law, AMR, G.726
Analog Video Output	-	✓
Alarm I / O	-	2/1
RS-485	-	✓
Supported Protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP	
ONVIF	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S
Edge Storage	-	MicroSD/SDHC/SDXC up to 128GB
Power	12V DC, 802.3af PoE	12V DC, 802.3af PoE
Weather/Vandal-Proof	IP66	IP66
Operating Temperature	-30°C - 60°C	-30°C - 60°C
Dimensions	φ66 x 166mm, incl. bracket	φ68 x 180mm, incl. bracket
Weight	420g	610g
Accessories (Optional)	AZ-J01 Junction box	AZ-J01 Junction box

Remark: *Except CB3210.

Eyeball Dome

- Smart Codec + H.265
- 1080P @ 25fps
- 30m Smart IR*



Economic and professional, eyeball dome series compact form factor is perfect for installations such as retail stores, hotels and small offices.

Model name	CD3210	CD3211
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
Lens	2.8mm, F2.0	2.8mm, F2.0
View Angle	96°	96°
IR Illuminators	30m IR range	30m Smart IR
Min. Illumination	0.05lux @ F2.0 (color) 0.005lux @ F2.0 (B/W)	0.05lux @ F2.0 (color) 0.005lux @ F2.0 (B/W)
WDR	D-WDR	D-WDR
Image Settings	Corridor mode, ROI	Corridor mode, ROI
Resolution	1920 x 1080	1920 x 1080
Frame Rate	25	25
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Multiple Streams	4 streams	4 streams
Audio Support	-	Two way
Audio Compression	-	G.711 u law, a law, AMR, G.726
Analog Video Output	-	✓
Alarm I / O	-	2/1
RS-485	-	✓
Supported Protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP	
ONVIF	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S
Edge Storage	-	MicroSD/SDHC/SDXC up to 128GB
Power	12V DC, 802.3af PoE	12V DC, 802.3af PoE
Weather/Vandal-Proof	IP66	IP66
Operating Temperature	-30°C - 60°C	-30°C - 60°C
Dimensions	φ119 x 83mm	φ119 x 83mm
Weight	670g	710g
Accessories (Optional)	AZ-J01 Junction box	AZ-J01 Junction box

Remark: *Except CD3210.

Bullet

- Smart Codec + H.265
- Motorized Zoom/Focus*
- Multi-exposure WDR*
- 50m Smart IR
- IVS*



Bullet series are cost-effective outdoor-ready cameras, suitable for a wide range of video surveillance applications, including office buildings, industrial zone, retail environments and schools.

Model name	CB5220	CB6230 	CB6330
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Lens	Varifocal 2.8-12mm, F1.6 Manual Focus, DC iris	Motorized 2.8-12mm, F1.6 Smart Focus, P-Iris	Motorized 2.8-12mm, F1.6 Smart Focus, P-Iris
View Angle	105° - 35°	105° - 35°	96° - 35°
IR Illuminators	50m Smart IR	50m Smart IR	50m Smart IR
Min. Illumination	0.01lux @ F1.6 (color) 0.001lux @ F1.6 (B/W)	0.001lux @ F1.6 (color) 0.0001lux @ F1.6 (B/W)	0.01lux @ F1.6 (color) 0.001lux @ F1.6 (B/W)
WDR	D-WDR	120dB	120dB
Image Settings	Corridor mode, ROI	Corridor mode, Defog, ROI	Corridor mode, Defog, ROI
Resolution	1920 x 1080	1920 x 1080	2048 x 1536
Frame Rate	25	30	30
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Multiple Streams	4 streams	4 streams	4 streams
Audio Support	Two way	Two way	Two way
Audio Compression	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726
Analog Video Output	✓	✓	✓
Alarm I / O	2/1	2/1	2/1
RS-485	✓	✓	✓
Supported Protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP		
ONVIF	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S
Edge Storage	MicroSD/SDHC/SDXC up to 128GB	MicroSD/SDHC/SDXC up to 128GB	MicroSD/SDHC/SDXC up to 128GB
Power	12V DC, 802.3af PoE	12V DC, 802.3af PoE	12V DC, 802.3af PoE
Weather/Vandal-Proof	IP67	IP67	IP67
Operating Temperature	-30°C - 60°C	-30°C - 60°C	-30°C - 60°C
Dimensions	φ96 x 263mm, incl. bracket	φ96 x 263mm, incl. bracket	φ96 x 263mm, incl. bracket
Weight	750g	750g	750g
Accessories (Optional)	AZ-J01 Junction box	AZ-J01 Junction box	AZ-J01 Junction box

Remark: *Except CB5220.

Dome

- Smart Codec + H.265
- Motorized Zoom/Focus*
- Multi-exposure WDR*
- 35m Smart IR
- IVS*



Dome series are cost-effective, outdoor-ready, vandal-resistant cameras with motorized lens, smart focus and 3 axis angle adjustment for ease of installation.

Model name	CD5220	CD6230 	CD6330
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Lens	Varifocal 2.8-12mm, F1.6 Manual Focus, DC iris	Motorized 2.8-12mm, F1.6 Smart Focus, P-Iris	Motorized 2.8-12mm, F1.6 Smart Focus, P-Iris
View Angle	105° - 35°	105° - 35°	96° - 35°
IR Illuminators	35m Smart IR	35m Smart IR	35m Smart IR
Min. Illumination	0.01lux @ F1.6 (color) 0.001lux @ F1.6 (B/W)	0.001lux @ F1.6 (color) 0.0001lux @ F1.6 (B/W)	0.01lux @ F1.6 (color) 0.001lux @ F1.6 (B/W)
WDR	D-WDR	120dB	120dB
Image Settings	Corridor mode, ROI	Corridor mode, Defog, ROI	Corridor mode, Defog, ROI
Resolution	1920 x 1080	1920 x 1080	2048 x 1536
Frame Rate	25	30	30
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Multiple Streams	4 streams	4 streams	4 streams
Audio Support	Two way	Two way	Two way
Audio Compression	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726
Analog Video Output	✓	✓	✓
Alarm I / O	2/1	2/1	2/1
RS-485	✓	✓	✓
Supported Protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP		
ONVIF	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S
Edge Storage	MicroSD/SDHC/SDXC up to 128GB	MicroSD/SDHC/SDXC up to 128GB	MicroSD/SDHC/SDXC up to 128GB
Power	12V DC, 802.3af PoE	12V DC, 802.3af PoE	12V DC, 802.3af PoE
Weather/Vandal-Proof	IP67/ IK10	IP67/ IK10	IP67/ IK10
Operating Temperature	-30°C - 60°C	-30°C - 60°C	-30°C - 60°C
Dimensions	φ118 x 96mm	φ118 x 96mm	φ118 x 96mm
Weight	696g	696g	696g
Accessories (Optional)	AD-M06 Wall mount AZ-J01 Junction box	AD-M06 Wall mount AZ-J01 Junction box	AD-M06 Wall mount AZ-J01 Junction box

Remark: *Except CD5220.

Extreme Bullet

- Smart Codec + H.265

- Motorized Zoom/Focus

- Multi-exposure WDR

- 50m Adaptive IR

- IVS

- Glass Demister

- Built-in fan & heater

- AR & AS coating



Named for its ability to produce high quality image regardless of the harsh environment conditions, the extreme series cameras are ideal for high-security applications such as cities, airports, railway stations, government and industrial infrastructure facilities.

Model name	B8220V2 	B8520V2 
Image Sensor	1/2.8" CMOS	1/1.8" CMOS
Lens	Motorized 2.8-12mm, F1.6 Smart Focus, P-iris	Motorized 3.6-10mm, F1.5 Smart Focus, P-iris
View Angle	104° - 33°	85° - 38°
IR Illuminators	50m Adaptive IR	50m Adaptive IR
Min. Illumination	0.001lux @ F1.6 (color) 0.0001lux @ F1.6 (B/W)	0.05lux @ F1.5 (color) 0.005lux @ F1.5 (B/W)
WDR	120dB	100dB
Image Settings	Corridor mode, Defog, ROI	Corridor mode, Defog, ROI
Resolution	1920 x 1080	2560 x 1920
Frame Rate	60	30
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Multiple Streams	4 streams	4 streams
Audio Support	Two way	Two way
Audio Compression	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726
Analog Video Output	3.5mm Phone Jack	3.5mm Phone Jack
Alarm I / O	2/2	2/2
RS-485	✓	✓
Supported Protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP	
ONVIF	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S
Edge Storage	SD/SDHC/SDXC up to 128GB	SD/SDHC/SDXC up to 128GB
Power	12V DC, 802.3af/at PoE	12V DC, 802.3af/at PoE
Weather/Vandal-Proof	IP67	IP67
Operating Temperature	-50°C - 60°C	-50°C - 60°C
Dimensions	366 x 152 x 253mm, incl. bracket	366 x 152 x 253mm, incl. bracket
Weight	1930g	1930g
Accessories (Optional)	-	-

Extreme Dome

- Smart Codec + H.265
- Motorized Zoom/Focus
- Multi-exposure WDR
- 40m Adaptive IR
- IVS
- Glass Demister
- Built-in fan
- Anti-Scratch coating



Apart from its ability to withstand extreme weather, the extreme camera series offer high performance video with features such as long distance Adaptive IR, Extreme WDR, P-iris, Smart Focus, motion detection and embedded IVS.

Model name	D8220V2 	D8520V2 
Image Sensor	1/2.8" CMOS	1/1.8" CMOS
Lens	Motorized 2.8-12mm, F1.6 Smart Focus, P-iris	Motorized 3.6-10mm, F1.5 Smart Focus, P-iris
View Angle	104° - 33°	85° - 38°
IR Illuminators	40m Adaptive IR	40m Adaptive IR
Min. Illumination	0.001lux @ F1.6 (color) 0.0001lux @ F1.6 (B/W)	0.05lux @ F1.5 (color) 0.005lux @ F1.5 (B/W)
WDR	120dB	100dB
Image Settings	Corridor mode, Defog, ROI	Corridor mode, Defog, ROI
Resolution	1920 x 1080	2560 x 1920
Frame Rate	60	30
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Multiple Streams	4 streams	4 streams
Audio Support	Two way	Two way
Audio Compression	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726
Analog Video Output	RCA	RCA
Alarm I / O	2/2	2/2
RS-485*	Optional	Optional
Supported Protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP	
ONVIF	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S
Edge Storage	SD/SDHC/SDXC up to 128GB	SD/SDHC/SDXC up to 128GB
Power	12V DC, 802.3af/at PoE	12V DC, 802.3af/at PoE
Weather/Vandal-Proof	IP67 / IK10	IP67 / IK10
Operating Temperature	-50°C - 60°C	-50°C - 60°C
Dimensions	φ165 x 125mm	φ165 x 125mm
Weight	1670g	1670g
Accessories (Optional)	AD-M03 Wall mount	AD-M03 Wall mount

Remark: *To support RS-485, alarm I/O will be changed to 1/1.

Box

- Smart Codec + H.265
- Multi-exposure WDR
- IVS
- C/CS-mount



Box series offers maximum flexibility by providing interchangeable C/CS-mount, allowing users to choose the lens that best fits the installation. Additionally, box series can also be used outdoors with its AF-M01 outdoor-ready and vandal-resistant housing.

Model name	F7220 	F7320	F7520 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/1.8" CMOS
Lens	C/CS- mount	C/CS- mount	C/CS- mount
View Angle	-	-	-
IR Illuminators	-	-	-
Min. Illumination	0.001lux @ F1.6 (color) 0.0001lux @ F1.6 (B/W)	0.01lux @ F1.6 (color) 0.001lux @ F1.6 (B/W)	0.05lux @ F1.5(color) 0.005lux @ F1.5 (B/W)
WDR	120dB	120dB	100dB
Image Settings	Corridor mode, Defog, ROI	Corridor mode, Defog, ROI	Corridor mode, Defog, ROI
Resolution	1920 x 1080	2048 x 1536	2560 x 1920
Frame Rate	60	30	30
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Multiple Streams	4 streams	4 streams	4 streams
Audio Support	Two way	Two way	Two way
Audio Compression	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726
Analog Video Output	BNC	BNC	BNC
Alarm I / O	1/1	1/1	1/1
RS-485	✓	✓	✓
Supported Protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP		
ONVIF	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S
Edge Storage	MicroSD/SDHC/SDXC up to 128GB	MicroSD/SDHC/SDXC up to 128GB	MicroSD/SDHC/SDXC up to 128GB
Power	12V DC, 802.3af PoE	12V DC, 802.3af PoE	12V DC, 802.3af PoE
Weather/Vandal-Proof	-	-	-
Operating Temperature	-20°C - 60°C	-20°C - 60°C	-20°C - 60°C
Dimensions	148 x 81 x 71mm	148 x 81 x 71mm	148 x 81 x 71mm
Weight	524g	524g	524g
Accessories (Optional)	AF-M01 Outdoor enclosure	AF-M01 Outdoor enclosure	AF-M01 Outdoor enclosure

Remark: Lens are not included.

LPR Kit

- Smart Codec + H.265

- Multi-exposure WDR

- 100m IR range

- Built-in fan & heater

- IVS

- C/CS-mount



ZAVIO new LPR kit includes outdoor-ready and vandal-resistant housing with powerful IR module that can achieve up to 100 meters IR range. Combined with LPR mode, LPR series are ideal for installations where reliable license plate recognition is a must.

Model name	CL7200 	CL7500
Image Sensor	1/2.8" CMOS	1/1.8" CMOS
Lens	C/CS- mount	C/CS- mount
View Angle	-	-
IR Illuminators	100m IR Range	100m IR Range
Min. Illumination	0.001lux @ F1.6 (color) 0.0001lux @ F1.6 (B/W)	0.05lux @ F1.5(color) 0.005lux @ F1.5 (B/W)
WDR	120dB	100dB
Image Settings	LPR mode, Corridor mode, Defog, ROI	LPR mode, Corridor mode, Defog, ROI
Resolution	1920 x 1080	2560 x 1920
Frame Rate	60	30
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Multiple Streams	4 streams	4 streams
Audio Support	Two way	Two way
Audio Compression	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726
Analog Video Output	BNC	BNC
Alarm I / O	1/1	1/1
RS-485	✓	✓
Supported Protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP	
ONVIF	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S
Edge Storage	MicroSD/SDHC/SDXC up to 128GB	MicroSD/SDHC/SDXC up to 128GB
Power	12V DC, 802.3af PoE	12V DC, 802.3af PoE
Weather/Vandal-Proof	IP66 / IK10	IP66 / IK10
Operating Temperature	-30°C - 60°C	-30°C - 60°C
Dimensions	463 x 171 x 256mm	463 x 171 x 256mm
Weight	6000g	6000g
Accessories (Optional)	-	-

Remark: Lens are not included.

Speed Dome

- Smart Codec + H.265

- Multi-exposure WDR

- 150m Adaptive IR

- 360° continuous rotation



ZAVIO Speed Dome series are outdoor-ready vandal-resistant cameras offering wide area coverage with great details, featuring up to 30x optical zoom and 150 meters range of Adaptive IR.

Model name	P8220 	CS8240 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
Lens	Zoom module 5.5-110mm, F1.6(W)-3.5(T), Smart Focus, P-iris	Zoom module 4.5-135mm, F1.6(W)-4.4(T), Smart Focus, P-iris
View Angle	51° - 2.60°	57° - 2.02°
Optical Zoom	20x	30x
IR Illuminators	150m Adaptive IR	150m Adaptive IR
Min. Illumination	0.001lux @ F2.0 (color) 0.0001lux @ F2.0 (B/W)	0.001lux @ F2.0 (color) 0.0001lux @ F2.0 (B/W)
WDR	120dB	120dB
Image Settings	Defog, ROI	Defog, ROI
Resolution	1920 x 1080	1920 x 1080
Frame Rate	30	30
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Multiple Streams	4 streams	4 streams
Audio Support	Two way	Two way
Audio Compression	G.711 u law, a law, AMR, G.726	G.711 u law, a law, AMR, G.726
Analog Video Output	BNC	BNC
Alarm I / O	2/1	2/1
RS-485	-	-
Supported Protocols	Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP	
ONVIF	ONVIF 2.4 & Profile S	ONVIF 2.4 & Profile S
Edge Storage	MicroSD/SDHC/SDXC up to 128GB	MicroSD/SDHC/SDXC up to 128GB
Pan / Tilt	360° / 90°	360° / 90°
Power	24V DC, 802.3at PoE	24V DC, 802.3at PoE
Weather/Vandal-Proof	IP66 / IK10	IP66 / IK10
Operating Temperature	-40°C - 60°C	-40°C - 60°C
Dimensions	φ216 x 380mm	φ216 x 380mm
Weight	6700g	6700g
Accessories (Optional)	AS-C01 Joystick controller & AD-M09 Pendant Mount Bracket	AS-C01 Joystick controller & AD-M09 Pendant Mount Bracket

Accessories



Dome

AD-M06 Wall mount

Supports CD5220, CD6230, CD6330

Dimensions: 205 x 120mm

Weight: 445g



Mini Dome

AD-M05 Wall mount

Supports D4220, D4320V2

Dimensions: 205 x 120mm

Weight: 415g



AD-J01 Junction box

Supports D4220, D4320V2

Dimensions: $\phi 119$ x 40mm

Weight: 310g



Extreme Dome

AD-M03 Wall mount

Supports D8220V2, D8520V2

Dimensions: 200 x 127

Weight: 900g



Shared Accessory

AZ-J01 Junction box

Supports CB3210, CB3211, CD3210,

CD3211, CB5220, CB6230, CB6330,

CD5220, CD6230, CD6330

Dimensions: $\phi 119$ x 39mm

Weight: 225g



Box

AF-M01 Outdoor enclosure

Supports F7220, F7320, F7520, CF7800

Dimensions: 463 x 171 x 256mm

Weight: 2800g



Speed Dome

AS-C01 Controller

Supports P8220, CS8240

Dimensions: 280 x 170 x 40mm

Weight: 1100g



Speed Dome

AD-M09 Pendant Mount Bracket

Supports P8220, CS8240

Dimensions: $\phi 62.5$ x 240 mm

Weight: 880g



Service & Support

For sales inquiries, please contact sales@zavio.com

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