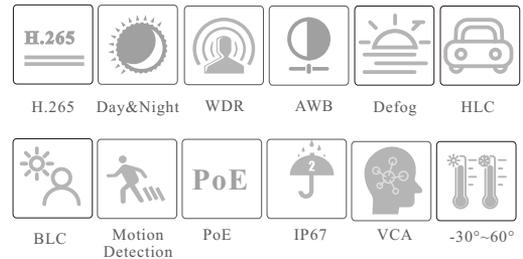# IP-A8DZ

8mp / 4K DOME IP Camera with IR Night Vision, 2.8-12mm Motorized ZoomLens

- H.265+, H.265, H.264+, H.264, MJPEG encoding
- Max. resolution: 8MP / 4K (3840 × 2160)
- Auto day / night-time IR modes
- Built-in IR Night Vision LED
- 2.8-12mm Motorized Zoom Lens w/ Auto-focus
- Built-in Audio Surveillance Microphone
- 30~50m effective distance IR night vision
- PoE and 12V DC power support
- IP67 Weatherproof rating
- Micro SD slot
- Support remote monitoring by mobile app for iPhone and Android mobile apps
- Support P2P function, Connects directly to mobile app, NVR Not required
- Built-in AI software detects people, automobiles, bikes, motorcycles
- AI functions: line crossing detection, region intrusion detection, abandoned/missing object detection, video exception detection
- Dual firmware system backup for disaster recovery

| H.265 | Day&Night | WDR | AWB | Defog | HLC |
| BLC | Motion Detection | PoE | IP67 | VCA | -30°~60° |

RoHS   CE   FC   PoE   Onvif

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SPECIFICATIONS

Specifications \\ Model	IP-A8DZ
Camera	
Image Sensor	1 / 2.8 "CMOS
Image Size	3840×2160
Electronic Shutter	1 / 3 s ~ 1 / 100000 s
Iris Type	DC Iris
Min. Illumination	0.015 lux@F1.4, AGC ON; 0 lux with IR
Lens	2.8~12mm@F1.4, motorized
Field of View	Horizontal: 102°~32°; Vertical:54°~17°; Diagonal: 120°~37°
Lens Mount	Φ14
Day & Night	ICR
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
S/N Ratio	⩾50dB
EIS	Yes
Digital NR	3D DNR
Angle Adjustment	Pan: 0˚~360˚; Tilt:0˚~80˚; Rotation: 0˚~360˚
Image	
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile
Resolution	8MP (3840 × 2160), 6MP(3072 × 2048),5MP(2592 × 1944), 4MP(2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280× 720), D1, CIF, 480 × 240, VGA(640×480)
Main Stream	8MP/6MP/5MP/4MP/2K/3MP/1080P/720P(60Hz:1~30fps; 50Hz:1~25fps)
Sub Stream	720P/D1/CIF/VGA/480×240(60Hz:1 ~ 30fps; 50Hz: 1 ~ 25fps)
Third Stream	720P/D1/CIF/480 ×240(60Hz:1 ~ 30fps; 50Hz: 1 ~ 25fps)
Bit Rate	64 Kbps ~ 12Mbps
Bit Rate Type	VBR / CBR
Audio Compression	G711A / U
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser
ROI	Each ROI to be configured separately
Interfaces	
Network	RJ 45 10M/100M self-adaptive Ethernet port
Video Output	No
Audio	1CH audio input; 1CH built-in MIC
Storage	Built-in micro SD card slot; up to 256GB
Reset	Yes
Alarm	No
Intelligent Analytics	
Smart Event	Line crossing, region intrusion/entrance/exiting, loitering detection, illegal parking detection, abandoned/ missing object detection
Statistics	Target counting by line/area, heat map
Exception Detection	Scene change, video blur and abnormal color detection, audio exception
Face Detection	Face detection and face capture
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 4 motor vehicle features and 1 non-motor vehicle feature

DORI Distance

Lens	Detect	Observe	Recognize	Identify
2.8~12mm(W)	85m(278ft)	34m(111ft)	17m(56ft)	8m(26ft)
2.8~12mm(T)	289m(948ft)	116m(380ft)	58m(190ft)	29m(95ft)

Functions	
Remote Monitoring	Web Browser, Viewtron VMS, NVR, Mobile app for iPhone, Android
Web Browser	Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission

Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, P2P, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm
General Function	Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP
PoE	Yes , IEEE802.3af
IR Distance	30 ~50 m
Ingress Protection	IP67
Others	
Power Supply	DC12V/PoE
Power Consumption	PoE: max. 9.7W; DC12V: max. 7.4W
Storage Conditions	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)
Operating Conditions	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)
Dimensions (mm)	Ø 111.6 × 99.6
Weight (net)	Approx.0.67KG
Installation	Ceiling mounting; Wall mounting
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)

DIMENSIONS

99.6mm

111.6mm

111.6mm

AVAILABLE ACCESSORIES

RECOMMENDED NVR

Viewtron IP camera NVRs are highly recommended for use with all Viewtron IP cameras. Viewtron NVRs are deeply integrated with Viewtron AI software functions and all IP camera managment.

Learn more at www.Viewtron.com.

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*All pictures and specifications are for reference only and are subject to change without prior notice.