



# **S** SD9365-EHL

Speed Dome Network Camera

1080p 60 fps • 20x Zoom • 150M IR • IP66 • IK10 •  
NEMA 4X • -40°C ~ 55°C • Wiper

The SD9365-EHL is the latest professional speed dome camera with wiper from VIVOTEK, specifically designed to enhance low light surveillance in large coverage areas. Equipped with 150 M IR illuminators and a 20x optical zoom lens, the SD9365-EHL provides a superb low light image in the most challenging situations. The SD9365-EHL also adopts VIVOTEK's latest IR technology, VAIR (Vari-Angle IR). VIVOTEK's VAIR provides smooth vari-angle adjustment of the IR illuminators, allowing broad coverage FOV and highly uniform IR intensity while avoiding hot-spots traditionally associated with IR illumination.

The SD9365-EHL is the PTZ surveillance camera with IR illumination to utilize H.265 compression technology. When combined with VIVOTEK's Smart Stream II technology users can obtain bandwidth savings of up to 80%\* compared to traditional H.264. By combining 1080p full HD resolution with H.265, IR illuminators,

VAIR, WDR, and 20x optical zoom, the SD9365-EHL is able to capture fine details at top-notch quality, 24 hours a day, 7 days a week.

VIVOTEK further strengthened the camera performance with an IP66- and NEMA 4X-rated housing to protect the camera against rain, dust, and corrosion. The SD9365-EHL has a wide operating temperature range from -40°C to 55°C, ensuring continuous operation under the most extreme weather conditions and hazardous environments. This makes the SD9365-EHL ideally suited to monitor wide open spaces such as ports, highways, cities, and parking lots where high-level precision is required.

\* Depending on scene.

## Key Features

- Real-time H.265, H.264 and MJPEG Compression (Triple Codec)
- 60 fps @ 1080p Full HD
- 20x Zoom Lens
- 150M IR with VAIR (Vari-Angle IR)
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Weather-proof IP66, Vandal-proof IK10 and NEMA 4X-rated Housing
- -40°C ~ 55°C Wide Temperature Range for Extreme Weather Conditions
- Smart Stream II to Optimize Bandwidth Efficiency
- EIS
- Easy Cleaning with Built-in Wiper



Without VAIR

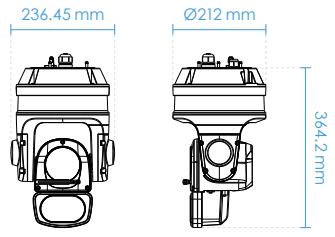


With VAIR
















## Technical Specifications

Model	SD9365-EHL		
<b>System Information</b>			
CPU	Multimedia SoC (System-on-Chip)		
Flash	128MB		
RAM	512MB		
<b>Camera Features</b>			
Image Sensor	1/3" Progressive CMOS		
Max. Resolution	1920x1080		
Lens Type	20x Optical Zoom, Auto Focus		
Focal Length	f = 4.7 ~ 94 mm (20x zoom)		
Aperture	F1.6 ~ F3.5		
Iris type	DC-Iris		
Field of View	3° ~ 55° (Horizontal) 2° ~ 33° (Vertical) 3° ~ 63° (Diagonal)		
Shutter Time	1/8 sec. to 1/30,000 sec.		
WDR Technology	WDR Pro		
Day/Night	Yes		
Removable IR-cut filter	Yes		
IR Illuminators	Built-in IR Illuminators up to 150 meters with VAIR IR LED*2		
Minimum Illumination	0.26 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W) 0 Lux with IR illumination on		
Pan Speed	0.1° ~ 300° / sec		
Pan Range	360° endless		
Tilt Speed	0.1° ~ 300° / sec		
Tilt Range	220° (-110° ~ +110°)		
Preset Locations	256 preset locations 128 presets per tour		
Pan/Tilt/Zoom Functionalities	128x digital zoom (4x on IE plug-in, 32x built-in), Auto pan mode, Auto patrol mode		
On-board Storage	Slot type: Micro SD/SDHC/SDXC card slot Seamless Recording		
<b>Video</b>			
Compression	H265, H264, MJPEG		
Maximum Frame Rate	H.265 & H.264: 60 fps @ 1920x1080 MJPEG: 30 fps @ 1920x1080		
Maximum Streams	4 simultaneous streams		
S/N Ratio	53 dB		
Dynamic Range	110 dB		
Video Streaming	Adjustable resolution, quality and bitrate Smart Stream II		
		Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks (Up to 24); Scheduled profile settings, defog, 3DNR, EIS, HLC	
Image Settings			
<b>Audio</b>			
Audio Capability	Two-way Audio		
Compression	G.711, G.726		
Interface	External microphone input External line output		
<b>Network</b>			
Users	Live viewing for up to 10 clients		
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS, NTCIP		
Interface	10 Base-T/100 Base-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.		
ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>		
<b>Intelligent Video</b>			
Video Motion Detection	Five-window video motion detection		
Auto-Tracking	Auto-tracking on moving object		
<b>Alarm and Event</b>			
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection		
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and Micro SD card File upload via HTTP, SMTP, FTP, NAS server and Micro SD card		
<b>General</b>			
Connectors	RJ-45 cable connector for Network 10/100 Mbps PoE connection*1 Audio input*1 Audio output*1 AC/DC 24V power input*1 Digital input*4 Digital output*2 RS-485 for PTZ control (PelcoD protocol, Baud rate 2400)*1		
LED Indicator	System power and status indicator		
Power Input	PoH/PoE (95W) AC/DC 24V		
Power Consumption	PoH/PoE (95W): Max. 70 W (Heater on) Max. 39 W (Heater off) AC/DC 24V: Max. 96 W (Heater on) Max. 45 W (Heater off)		
Dimensions	236.45 x 364.2 mm		
Weight	5,700 g		

## Technical Specifications

Casing	IP66, IK10, NEMA 4X	CD	User's manual, quick installation guide, Shepherd, VAST
Safety Certifications	CE, FCC Class A, VCCI, C-tick, NEMA 4X, UL	Others	Wall mount bracket, screws, waterproof connectors, terminal blocks, quick installation guide, warranty card, alignment sticker, ground wire, T25 star driver, software CD, desiccant bags, I/O cable
Operating Temperature	Starting Temperature: -40°C ~ 55°C (-40°F ~ 131°F) Working Temperature: -40°C ~ 55°C (-40°F ~ 131°F)	<b>Dimensions</b>	
Humidity	90%		
Warranty	36 months		
<b>System Requirements</b>			
Operating System	Microsoft Windows 8/7		
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 10/11		
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above		
<b>Included Accessories</b>			

## Compatible Accessories

<b>Mounting Kits</b>		<b>Others</b>	
 <b>AM-529</b> Mounting Adapter		 <b>AJ-001</b> USB Joystick	
		 <b>AJ-002</b> USB Joystick	
<b>Cabinet</b>			
 <b>AT-CAS-001</b> Cabinet for Speed Dome	 <b>AT-CAB-002</b> Cabinet for HLG Power Supply	 <b>AT-SUN-002</b> Sunshield	 <b>AT-SWH-000</b> Power Safety Kit
			
<b>PoE Kit</b>			
<b>24VAC</b>			
 <b>AA-351</b> Outdoor Power Box, 24VAC/144W, IP67, IK10		 <b>AA-352</b> Outdoor Power Box, 24VAC/144W, IP67, IK10	
<b>95w PoH/PoE</b>			
 <b>AW-IHH-0100</b> Industrial 1xGE 95W PoH/PoE Injector	+	 <b>HLG-120H-54</b> Industrial 54VDC/120W Power Supply, IP67	
 <b>AW-IHH-0200</b> Industrial 1xGE 95W PoH/PoE + 1x SFP GE Switch	+	 <b>HLG-120H-54</b> Industrial 54VDC/120W Power Supply, IP67	
			 <b>AP-GIC-010A-095</b> 95W PoH/PoE Injector