



S SD9365-EHL

Speed Dome Network Camera



1080p 60 fps • 20x Zoom • 150M IR • Smart IR II • IP66 • IK10 • NEMA 4X • -50°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 Smart IR II technology, Vari-Angle IR. VIVOTEK's Vari-Angle IR 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,

Vari-Angle IR, 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 -50°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 Smart IR II (Vari-Angle IR)
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Weather-proof IP66, Vandal-proof IK10 and NEMA 4X-rated Housing
- -50°C ~ 55°C Wide Temperature Range for Extreme Weather Conditions (AC 24V/ PoH)
- Smart Stream II to Optimize Bandwidth Efficiency
- EIS
- Easy Cleaning with Built-in Wiper



Without Vari-Angle IR



With Vari-Angle IR

Technical Specifications

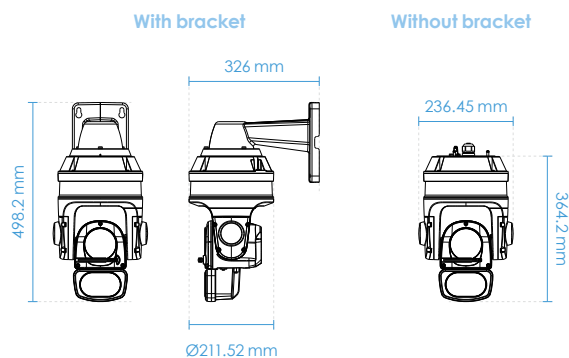
Model	SD9365-EHL(with Bracket, IO Cable) SD9365-EHL(without Bracket, IO Cable)		
System Information			
CPU	Multimedia SoC (System-on-Chip)		
Flash	128MB		
RAM	512MB		
Camera Features			
Image Sensor	1/3" Progressive CMOS		
Max. Resolution	1920x1080		
Lens Type	20x Optical Zoom, Auto Focus		
Focal Length	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 Smart IR II, 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		
Video			
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		
		Image Settings	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
		Audio	
		Audio Capability	Two-way Audio
		Compression	G.711, G.726
		Interface	External microphone input External line output
		Network	
		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 www.onvif.org
		Intelligent Video	
		Video Motion Detection	Five-window video motion detection
		Auto-Tracking	Auto-tracking on moving object
		Alarm and Event	
		Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, 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
		General	
		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. 51 W (Heater off) AC/DC 24V: Max. 63 W (Heater on) Max. 45 W (Heater off)
		Dimensions	236.45 x 364.2 mm
		Weight	7.1 kg (with bracket) 5.7 kg (without bracket)
		Casing	IP66, IK10, NEMA 4X

Technical Specifications

Safety Certifications	CE, FCC Class A, VCCI, C-Tick, NEMA 4X, UL
Operating Temperature	Starting Temperature: -40°C ~ 55°C (-40°F ~ 131°F) Working Temperature: -40°C ~ 55°C (-40°F ~ 131°F), DC 24V power input -50°C ~ 55°C (-58°F ~ 131°F), AC 24V/ PoH(95W) power input *Wiper is functional at 10°C to 55°C (50°F to 131°F)
Humidity	98%
Warranty	36 months
System Requirements	
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
Included Accessories	
CD	User's manual, quick installation guide, Shepherd, VAST

Others
Wall mount bracket*, I/O cable*, screws, waterproof connectors, terminal blocks, quick installation guide, warranty card, alignment sticker, ground wire, T25 stardriver, software CD, desiccant bags
*: Standard package for SD9365-EHL(with Bracket, IO Cable).























Dimensions



Ordering Information

	Model	Description	P/N
SD9365-EHL	SD9365-EHL(with Bracket, IO Cable)	H.265 Full HD IR PTZ Camera (20x, 150M IR, Wiper), with Bracket and IO Cable	100155100G
	SD9365-EHL(without Bracket, IO Cable)	H.265 Full HD IR PTZ Camera (20x, 150M IR, Wiper), without Bracket and IO Cable	100181400G

Compatible Accessories

Mounting Kits		Others			
					
AM-220 Wall Mount Bracket	AM-529 Mounting Adapter	AE-301 Water Tank, 24VAC/DC, 0°C ~ 60°C	AJ-001 USB Joystick	AJ-002 USB Joystick	AO-007 I/O Combo Cable
Cabinet					
					
AT-CAS-001 Cabinet for Speed Dome	AT-CAB-002 Cabinet for HLG Power Supply	AT-SUN-002 Sunshield	AT-SWH-000 Power Safety Kit		
PoE Kit/Power Adapter					
24VAC			24VDC		
					
AA-341 AC 24V 3.5A Power Adapter	AA-351 Outdoor Power Box, 24VAC/144W, IP67, IK10	AA-352 Outdoor Power Box, 24VAC/144W, IP67, IK10	HLG-120H-24 Industrial 24VDC/120W Power Supply, IP67		
95W PoH/PoE					
					
AW-IHH-0100 Industrial 1xGE 95W PoH/PoE Injector	HLG-120H-54 Industrial 54VDC/120W Power Supply, IP67	AW-IHH-0200 Industrial 1xGE 95W PoH/PoE + 1x SFP GE Switch	HLG-120H-54 Industrial 54VDC/120W Power Supply, IP67	AP-GIC-011A-095 1xGE 95W PoH/PoE Injector with Surge Protection 12KV	AP-GIC-015B-095 Outdoor 1xGE 95W PoH/PoE Injector with Surge Protection 12KV, IP67, IK10