



# **S** SD9361-EHL series Speed Dome Network Camera

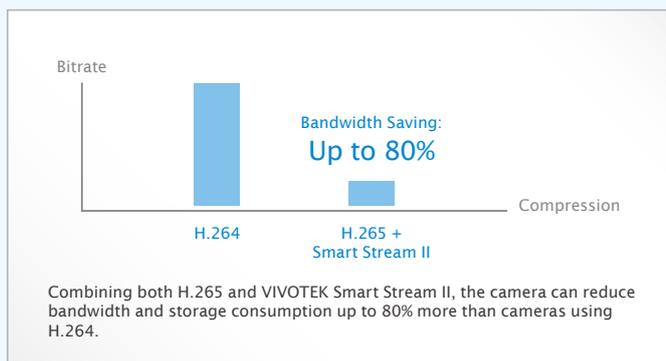


H.265 · 1080P Full HD · 20x Zoom · WDR Pro · Smart Stream II · NEMA 4X · IP68 · IK10 · -40°C ~ 55°C · EIS · Defog · 60W UPoE

VIVOTEK's SD9361-EHL is a high performance H.265 Full HD speed dome network camera. Armed with a 20x optical zoom lens, the camera is able to capture fine details at top-notch quality. By combining both H.265 and VIVOTEK's Smart Stream II technology which enables the camera to optimize quality for desired regions and therefore to maximize efficiency of bandwidth usage, it is capable of reducing both bandwidth and storage consumption by up to 80%\* while maintaining the highest standard of image quality.

Offering extra smooth video quality with resolutions of up to 60 fps at 1920x1080, the SD9361-EHL is also equipped with WDR Pro, a True WDR, technology and IR-cut filter for seamless day/night operation. This enables the camera to cope effortlessly with the challenging lighting conditions faced in 24/7 surveillance. Further, the water-proof IP68-rated, vandal-proof IK10-rated and NEMA 4X-rated housing of the SD9361-EHL protects the camera body against rain, dust and corrosion and provides a wide operating-temperature range of between -40°C and 55°C. This combination of robustness and high performance ensures that the SD9361-EHL is especially suitable for monitoring wide, open, harsh indoor or outdoor spaces such as airports, highways and parking lots where high-level reliability and precision are called for.

\* Depending on scene being monitored



## Key Features

- H.265 Compression Technology
- 1080P Full HD CMOS Sensor
- 60 fps @ 1920x1080
- 20x Optical Zoom
- Removable IR-cut Filter for Day & Night Function
- 360° Continuous Pan and 220° Tilt
- WDR Pro, a True WDR, for Unparalleled Visibility in High Contrast Environments
- Smart Stream II to Optimize Bandwidth Efficiency
- Weather-proof IP68-rated, Vandal-proof IK10-rated and NEMA4X Housing
- -40°C ~ 55°C Wide Temperature Range for Extreme Weather Conditions
- Audio Detection for Instant Alerts
- Auto Tracking for Moving Objects
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Defog
- EIS



Campus



Station



City Surveillance



Extreme Weather

## Technical Specifications

Model	SD9361-EHL(with Bracket, IO Cable) SD9361-EHL(without Bracket, IO Cable)	ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
<b>System Information</b>		<b>Intelligent Video</b>	
CPU	Multimedia SoC (System-on-Chip)	Video Motion Detection	Five-window video motion detection
Flash	128MB	Auto-Tracking	Auto-tracking on moving object
RAM	512MB	<b>Alarm and Event</b>	
<b>Camera Features</b>		Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, audio detection
Image Sensor	1/3" Progressive CMOS	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card
Maximum Resolution	1920x1080 (2MP)	<b>General</b>	
Lens Type	20x Optical Zoom, Auto Focus	Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output DC 24V / AC 24V power input Digital input*4 Digital output*2 RS-485
Focal Length	f= 4.7 ~ 94 mm	LED Indicator	System power and status indicator
Aperture	F1.6 ~ F3.5	Power Input	DC 24V AC 24V 60W UPoE
Auto-iris	DC-iris	Power Consumption	Max. 48/26 W (Heater on/off)
Field of View	3' ~ 55' (Horizontal) 2' ~ 33' (Vertical) 3' ~ 63' (Diagonal)	Dimensions	Ø 162 x 221 mm
Shutter Time	1/8 sec. to 1/30,000 sec.	Weight	4.35 kg (with bracket) 2.95 kg (without bracket)
WDR Technology	WDR Pro, True WDR	Casing	Weather-proof IP68-rated, Vandal-proof IK10-rated, and NEMA 4X-rated mated housing
Day/Night	Removable IR-cut filter for day & night function	Safety Certifications	CE, FCC Class A, VCCI, C-tick, UL, NEMA 4X
Minimum Illumination	0.26 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	Operating Temperature	Starting Temperature: -40°C ~ 55°C (-40°F ~ 131°F) Working Temperature: -40°C ~ 55°C (-40°F ~ 131°F)
Pan Speed	0.05° ~ 450°/sec.	Humidity	0 ~ 90%
Pan Range	360° endless	Warranty	36 months
Tilt Speed	0.05° ~ 450°/sec.	<b>System Requirements</b>	
Tilt Range	220° (-110° ~ +110°)	Operating System	Microsoft Windows 8/7
Preset Locations	256 preset locations, 128 presets per tour	Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 10/11
Pan/Tilt/Zoom Functionalities	128x digital zoom (4x on IE plug-in, 32x built-in) Auto pan mode Auto patrol mode	Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording	<b>Included Accessories</b>	
<b>Video</b>		CD	User's manual, quick installation guide, Shepherd, VAST
Compression	H.265, H.264, MJPEG	Others	Wall mount bracket*, I/O combo cable*, screws, waterproof connectors, quick installation guide, alignment sticker, L-wrench, software CD, desiccant bags *: Standard package for SD9361-EHL(with Bracket, IO Cable).
Maximum Frame Rate	H.265 & H.264: 60 fps @ 1920x1080 MJPEG: 30 fps @ 1920x1080	<b>Dimensions</b>	
Maximum Streams	4 simultaneous streams		
S/N Ratio	53 dB		
Dynamic Range	True WDR, 110 dB		
Video Streaming	Adjustable resolution, quality and constant bit rate control; Smart Stream II		
Image Settings	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, EIS, 3DNR, defog, HLC		
<b>Audio</b>			
Audio Capability	Two-way Audio (Full duplex)		
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, NTCIP, ICMP, ARP, SSL, TLS		
Interface	10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.		

## Ordering Information

Model	Description	P/N	
SD9361-EHL	SD9361-EHL(with Bracket, IO Cable)	H.265 Full HD PTZ Camera (20x), with Bracket and IO Cable	100143400G
	SD9361-EHL(without Bracket, IO Cable)	H.265 Full HD PTZ Camera (20x), without Bracket and IO Cable	100181100G

## Compatible Accessories

Mounting Kits		Others		
				
AM-220 Wall Mount Bracket	AM-529 Mounting Adapter	AJ-001 USB Joystick	AJ-002 USB Joystick	AO-003 I/O Combo Cable

Cabinet				
				
AT-CAS-001 Cabinet for Speed dome, IP66, IK10	AT-CAB-002 Cabinet for HLG Power Supply	AT-SUN-002 Sunshield	AT-SWH-000 Power Safety Kit	

## PoE Kit/Power Adapter

24VDC		
	+	
AW-IHS-0200/0201/0203 Industrial Fiber Media Converter		HLG-80H-24 Industrial 24VDC/80W Power Supply, IP67
		
		HLG-80H-24 Industrial 24VDC/80W Power Supply, IP67

24VAC	
	
AA-341 AC 24V 3.5A Power Adapter	AA-352 Outdoor Power Box, 24VAC/144W, IP67, IK10

60W UPoE					
	+			+	
AW-IHU-0100 Industrial 1xGE 60W UPoE Injector		HLG-80H-54 Industrial 54VDC/80W Power Supply, IP67	AW-IHU-0200 Industrial 1xGE 60W UPoE + 1x SFP GE Switch		HLG-80H-54 Industrial 54VDC/80W Power Supply, IP67
				+	
					HLG-240H-54 Industrial 54VDC/240W Power Supply, IP67

	
AP-GIC-011A-060 1xGE 60W UPoE Injector with Surge Protection 12KV	AP-GIC-015B-095 Outdoor 1xGE 95W PoH/PoE Injector with Surge Protection 12KV, IP67, IK10


AW-GEU-080A-250 Unmanaged 2xGE 60W UPoE Switch