



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

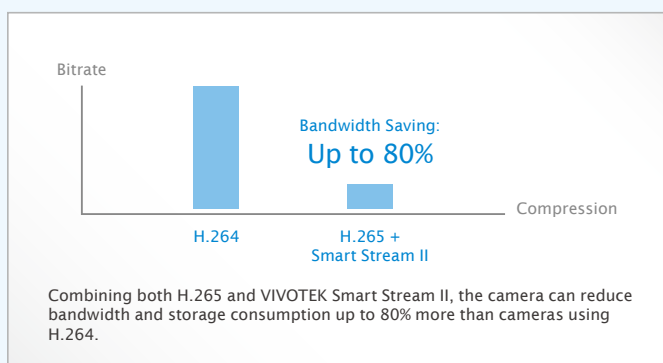


H.265 · 1080P Full HD · 20x Zoom · WDR Pro · Smart Stream II · NEMA 4X · IP68 · IK10 · -40°C ~ 65°C · EIS · Defog · 60W UPoE · GbE Ethernet

VIVOTEK's SD9361-EH/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 @ 1920x1080, the SD9361-EH/EHL is also equipped with WDR Pro 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-EH/EHL protects the camera body against rain, dust and corrosion and provides a wide operating-temperature range of between -40°C and 65°C. This combination of robustness and high performance ensures that the SD9361-EH/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

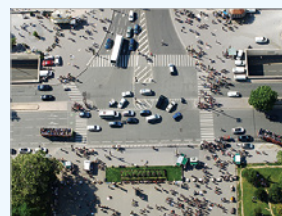
- H.265 Compression Technology
- 1080P Full HD CMOS Sensor
- 60 fps @ 1920x1080
- 20x Optical Zoom
- Removable IR-cut Filter for Day & Night Function
- 360° Continuous Pan and 110° Tilt
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Smart Stream II to Optimize Bandwidth Efficiency
- Weather-proof IP68-rated, Vandal-proof IK10-rated and NEMA4X Housing
- -40°C ~ 65°C Wide Temperature Range for Extreme Weather Conditions
- Audio Detection for Instant Alerts
- Auto Tracking for Moving Objects
- Built-in SD/SDHC/SDXC Card Slot for On-board Storage
- Defog
- EIS



Campus



Station



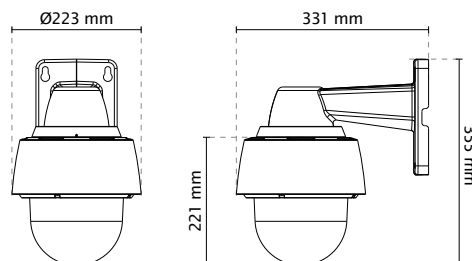
City Surveillance









Extreme Weather

## Technical Specifications

Model	SD9361-EH SD9361-EHL	Users	Live viewing for up to 10 clients
<b>System Information</b>		Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTPSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, NTCIP, ARP, SSL, TLS
CPU	Multimedia SoC (System-on-Chip)	Interface	10 Base-T/100 BaseTX/1000 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
Flash	128MB	ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
RAM	512MB	<b>Intelligent Video</b>	
<b>Camera Features</b>		Video Motion Detection	Five-window video motion detection
Image Sensor	SD9361-EH: 1/2.8" Progressive CMOS SD9361-EHL: 1/3" Progressive CMOS	Auto-Tracking	Auto-tracking on moving object
Maximum Resolution	1920x1080 (2MP)	<b>Alarm and Event</b>	
Lens Type	20x Optical Zoom, Auto Focus	Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, audio detection
Focal Length	f= 4.7 ~ 94 mm	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
Aperture	F1.6 ~ F3.5	<b>General</b>	
Auto-iris	DC-iris	Connectors	RJ-45 cable connector for Network/PoE connection Audio input Audio output AC 24V power input Digital input*4 Digital output*2 RS-485
Field of View	SD9361-EH: 3' ~ 60' (Horizontal) 2' ~ 36' (Vertical) 4' ~ 67' (Diagonal) SD9361-EHL: 3' ~ 55' (Horizontal) 2' ~ 33' (Vertical) 3' ~ 63' (Diagonal)	LED Indicator	System power and status indicator
Shutter Time	SD9361-EH: 1 sec. to 1/10,000 sec. SD9361-EHL: 1/8 sec. to 1/30,000 sec.	Power Input	AC 24V 60W UPOE
WDR Technology	WDR Pro	Power Consumption	Max. 48/26 W (Heater on/off)
Day/Night	Removable IR-cut filter for day & night function	Dimensions	Ø 162 x 221 mm
Minimum Illumination	SD9361-EH: 0.17 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W) SD9361-EHL: 0.26 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	Weight	2.95 kg
Pan Speed	0.05° ~ 450°/sec.	Casing	Weather-proof IP68-rated, Vandal-proof IK10-rated, and NEMA 4X-rated mated housing
Pan Range	360° endless	Safety Certifications	CE, FCC Class A, VCCI, C-tick, UL, NEMA 4X
Tilt Speed	0.05° ~ 450°/sec.	Operating Temperature	-40°C ~ 65°C (-40°F ~ 149°F)
Tilt Range	110°	Humidity	90%
Preset Locations	256 preset locations, 128 presets per tour	Warranty	36 months
Pan/Tilt/Zoom Functionalities	SD9361-EH: 48x digital zoom (4x on IE plug-in, 12x built-in) Auto pan mode Auto patrol mode SD9361-EHL: 128x digital zoom (4x on IE plug-in, 32x built-in) Auto pan mode Auto patrol mode	<b>System Requirements</b>	
On-board Storage	Slot type: SD/SDHC/SDXC card slot Seamless Recording	Operating System	Microsoft Windows 8/7/Vista/XP/2000
<b>Video</b>		Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 7/8/9/10/11
Compression	H.265, H.264, MJPEG	Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Maximum Frame Rate	H.265 & H.264: 60 fps @ 1920x1080 MJPEG: 30 fps @ 1920x1080	<b>Included Accessories</b>	
Maximum Streams	4 simultaneous streams	CD	User's manual, quick installation guide, Installation Wizard 2, VAST
S/N Ratio	SD9361-EH: 63 dB SD9361-EHL: 53 dB	Others	Wall mount bracket, screws, waterproof connectors, quick installation guide, alignment sticker, L-wrench, software CD, desiccant bags, I/O combo cable
Dynamic Range	100 dB	<b>Dimensions</b>	
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		
<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>			



## Compatible Accessories





Mounting Kits	Cabinet				Joystick
 AM-529 Mounting Adapter	 AT-CAS-001 Cabinet for Speed dome, IP66, IK10, NEMA 4X	 AT-CAB-002 Cabinet for HLG Power Supply	 AT-SUN-002 Sunshield	 AT-SWH-001 Power Safety Kit	 IPD-USB USB Joystick

### PoE Kit/Power Adapter

#### Application Temperature

-40°C ~ 70°C (-40°F ~ 158°F)

#### PoE Solution

 AW-IHS-0200/0201/0203 Industrial Fiber Media Converter	+	 HLG-80H-24 Industrial 24VDC/80W Power Supply, IP67	 AW-IHU-0100 Industrial 1xGE 60W UPoE Injector	+	 HLG-120H-54 Industrial 54VDC/120W Power Supply, IP67	 AW-IHU-0200 Industrial 1xGE 60W UPoE + 1x SFP GE Switch	+	 HLG-120H-54 Industrial 54VDC/120W Power Supply, IP67	 AW-IHU-0600 Industrial 4xGE 60W UPoE + 2xGE SFP Switch	+	 HLG-240H-54 Industrial 54VDC/240W Power Supply, IP67
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0°C ~ 50°C (32°F ~ 122°F)

#### PoE Solution



AP-GIC-010A-060  
1xGE 60W UPoE Injector

#### AC 24V Power Adapter



AA-341  
AC 24V 3.5A Power Adapter