VIVOTEK

S series
SD9362-EHL
## Speed Dome Network Camera

H.265 · 1080P Full HD · 30x Zoom · WDR Pro · Smart Stream II · NEMA 4X · IP68 · IK10 · -40°C ~ 55°C · EIS · Defog · 60W UPoE

VIVOTEK's SD9362-EHL is a high performance H.265 Full HD speed dome network camera. Armed with a 30x 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 SD9362-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 SD9362-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 SD9362-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
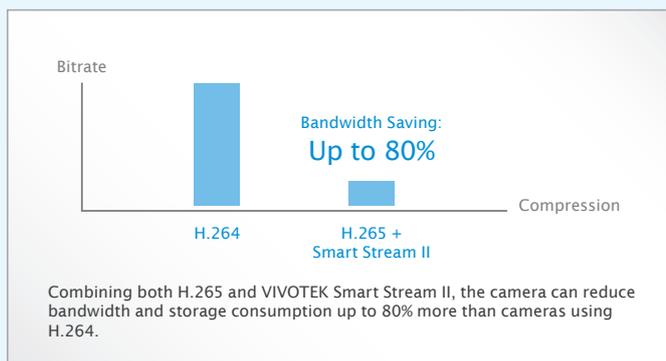
Key Features

- · H.265 Compression Technology
- · 1080P Full HD CMOS Sensor
- · 60 fps @ 1920x1080
- · 30x Optical Zoom
- · Removable IR-cut Filter for Day & Night Function
- · 360° Continuous Pan and 220° 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 ~ 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

Bitrate

Bandwidth Saving:
Up to 80%

Compression

H.264   H.265 + Smart Stream II

Combining both H.265 and VIVOTEK Smart Stream II, the camera can reduce bandwidth and storage consumption up to 80% more than cameras using H.264.

Airport

Port

City Surveillance

Extreme Weather

Technical Specifications

Model	SD9362-EHL(with Bracket, IO Cable) SD9362-EHL(without Bracket, IO Cable)

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	512 MB

Camera Features

Image Sensor	1/3" Progressive CMOS
Maximum Resolution	1920x1080 (2MP)
Lens Type	30x Optical Zoom, Auto Focus
Focal Length	f= 4.3 ~ 129 mm
Aperture	F1.6 ~ F4.7
Auto-iris	DC-iris
Field of View	59˚ ~ 2˚ (Horizontal) 45˚ ~ 2˚ (Vertical) 71˚ ~ 3˚ (Diagonal)
Shutter Time	1/8 sec. to 1/30,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes
Minimum Illumination	0.42 lux @ F1.6 (Color) 0.01 lux @ F1.6 (B/W)
Pan Speed	0.05˚ ~ 450˚/sec.
Pan Range	360˚ endless
Tilt Speed	0.05˚ ~ 450˚/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
Storage	Seamless Recording to MicroSD/SDHC/SDXC card and recording to network-attached storage (NAS)

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate	H.265 & H.264: 60 fps @ 1920x1080 MJPEG: 30 fps @ 1920x1080
Maximum Streams	4 video streams (Up to 9 configurable profiles)
S/N Ratio	53 dB
Dynamic Range	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

Audio

Audio Capability	Two-way audio (Full deuplex)
Compression	G.711, G.726
Interface	External microphone input External line output

Network

Users	Live viewing for up to 10 clients
Security	Access list, digest authentication, HTTPS , IEEE 802.1x, Password protection, signed firmware, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), user access log, user account management
Protocols	802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTCIP, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP
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."
ONVIF	Profile G, S, T supported, specification available at www.onvif.org

Solution Integration

Video Motion Detection	Five-window video motion detection
Auto-Tracking	Auto-tracking on moving object

VADP Package	Trend Micro (3-year free trial), Stratocast

Alarm and Event

Event Trigger	Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), digital input, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, system boot
Event Action	Event notification via audio clip, digital output, email, HTTP, FTP, NAS server, SD card, push notification File upload via email, HTTP, FTP, NAS server, SD card

General

Connectors	RJ-45 cable connector for 10/100Mbps Network/PoE connection Audio line input Audio line output AC/DC 24V power input Digital input *4 Digital output *2 RS-485 (Pelco D, Baud rate 2400)* 1
LED Indicator	System power and status indicator
Power Input	AC 24V, DC 24V, UPoE (60W) (Simultaneous Power Redundancy Supported)
Power Consumption	AC/DC 24V: Max. 40/21 W(Heater on/off) UPoE (60W): Max. 48/26 W (Heater on/off)
Dimensions	Ø 162 x 221 mm
Weight	4.4 kg (with bracket) 3.0 kg (without bracket)
Casing	Weather-proof IP68-rated, Vandal-proof IK10-rated, and NEMA 4X-rated mated housing
Certifications	EMC: CE, LVD, FCC Class A, VCCI; Safety: UL
Operating Temperature	Starting Temperature: -10˚C ~ 55˚C (14˚F ~ 131˚F) Working Temperature: -10˚C ~ 55˚C (14˚F ~ 131˚F)
Humidity	98% RH (non-condensing)
Warranty	36 months

System Requirements

Operating System	Microsoft Windows 10/8/7 Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above

Included Accessories

Packing Contents	Wall mount bracket, I/O combo cable, screws, waterproof connectors, quick installation guide, alignment sticker, L-wrench, desiccant bags

Dimensions

With bracket

Ø222.8 mm 331.4 mm 355.3 mm Ø161.7 mm

Without bracket

Ø222.83 mm 221.3 mm Ø161.7 mm

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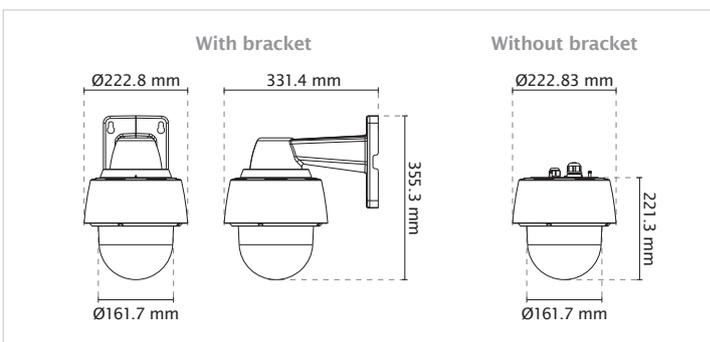
Compatible Accessories

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-0202 Industrial Media Converter	+	**HLG-80H-24** Industrial 24VDC/80W Power Supply, IP67	**HLG-80H-24** Industrial 24VDC/80W Power Supply, IP67

24VAC

AA-352
Outdoor Power Box, 24VAC/144W, IP67, IK10

60W UPoE

AW-IHH-0110 Industrial 1xGE 95W PoH/PoE Injector	+	**AP-GIC-015B-095** Outdoor 1xGE 95W PoH/PoE Injector with Surge Protection 12KV, IP67, IK10
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