VIVOTEK

SD9366-EH
SD9366-EHL

Speed Dome Network Camera

1080p 60 fps • 30x Zoom • 150M/250M IR • IP66 • IK10 • NEMA 4X • -40°C ~ 55°C • Wiper

The SD9366-EH/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 250M/150M IR illuminators and a 30x optical zoom lens, the SD9366-EH/EHL provides a superb low light image in the most challenging situations. The camera 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 SD9366-EH/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 30x optical zoom, the SD9366-EH/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 SD9366-EH/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 SD9366-EH/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
- 30x Zoom Lens
- 150M/250M 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
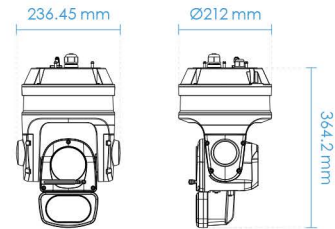- Easy Cleaning with Built-in Wiper

Without VAIR

With VAIR

Technical Specifications

Model	SD9366-EH: 250M VAIR SD9366-EHL: 150M VAIR

System Information

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

Camera Features

Image Sensor	SD9366-EH: 1/2.8" Progressive CMOS SD9366-EHL: 1/3" Progressive CMOS
Max. Resolution	1920x1080
Lens Type	30x Optical Zoom, Auto Focus
Focal Length	f = 4.3~129 mm (30x zoom)
Aperture	F1.6 ~ F4.7
Iris type	DC-Iris
Field of View	2.3° ~ 64° (Horizontal) 1.3° ~ 36° (Vertical) 2.6° ~ 73° (Diagonal)
Shutter Time	SD9366-EH: 1 sec. to 1/10,000 sec. SD9366-EHL: 1/8 sec. to 1/30,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes
IR Illuminators	SD9366-EH: Built-in IR Illuminators up to 250 meters with VAIR, IR LED*2 SD9366-EHL: Built-in IR Illuminators up to 150 meters with VAIR, IR LED*2
Minimum Illumination	SD9366-EH: 0.07 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W) 0 Lux with IR illumination on SD9366-EHL: 0.42 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	SD9366-EH: 48x digital zoom (4x on IE plug-in, 12xbuilt-in), Auto pan mode, Auto patrol mode SD9366-EHL: 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	SD9366-EH: 62 dB SD9366-EHL: 54 dB
Dynamic Range	SD9366-EH: 120 dB SD9366-EHL: 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, 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

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. 39 W (Heater off) AC/DC 24V: Max. 96 W (Heater on) Max. 45 W (Heater off)

Technical Specifications

Dimensions	236.45 x 364.2 mm
Weight	5,700 g
Casing	IP66, IK10, NEMA 4X
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)
Humidity	90%

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, screws, waterproof connectors, terminal blocks, quick installation guide, warranty card, alignment sticker, ground wire, T25 stardriver, software CD, desiccant bags, I/O cable

Dimensions

236.45 mm   Ø212 mm   364.2 mm

Compatible Accessories

Mounting Kits

AM-529
Mounting Adapter

Others

AJ-001
USB Joystick

AJ-002
USB Joystick

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

24VAC

AA-351
Outdoor Power Box, 24VAC/144W, IP67, IK10

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

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-010A-095
95W PoH/PoE Injector