VIVOTEK

S series SD9364-EHL-v2
Speed Dome Network Camera

1080p 60 fps • 30x Zoom • 150M IR • IP66 • IK10 • NEMA 4X • -50°C ~ 55°C

The SD9364-EHL-v2 is the latest professional speed dome camera from VIVOTEK, specifically designed to enhance low light surveillance in large coverage areas. Equipped with 150M IR illuminators and a 30x optical zoom lens, the SD9364-EHL-v2 provides a superb low light image in the most challenging situations. The SD9364-EHL-v2 also adopts VIVOTEK's Smart IR II technology, which 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 SD9364-EHL-v2 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, Smart IR II, WDR, and 30x optical zoom, the SD9364-EHL-v2 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 SD9364-EHL-v2 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 SD9364-EHL-v2 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 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 (Electronic Image Stabilization) to Control Image Stability
- Power Redundant Supported

Without Smart IR II

With Smart IR II

Technical Specifications

Model	SD9364-EHL-v2

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	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° ~ 59° (Horizontal) 2° ~ 45° (Vertical) 3° ~ 71° (Diagonal)
Shutter Time	1/8 sec. to 1/30,000 sec.
WDR Technology	WDR Pro
Minimum Illumination	0.42 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W) 0 Lux with IR illumination on
Day/Night	Removable IR-cut filter for day & night function
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
IR Illuminators	Built-in IR Illuminators up to 150 meters with Smart IR II, IR LED*2
On-board Storage	Slot type: MicroSD/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	54 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, SSL, 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, MicroSD card life expectancy
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP, NAS server and MicroSD card File upload via HTTP, SMTP, FTP, NAS server and MicroSD 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

Technical Specifications

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	237 x 364 mm
Weight	7.1 kg (with bracket) 5.7 kg (without bracket)
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), DC 24V power input -50°C ~ 55°C (-58°F ~ 131°F), AC 24V/ PoH(95W) power input
Humidity	98%
Warranty	36 months

System Requirements

Operating System	Microsoft Windows 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 Quicktime: 7 or above

Included Accessories

Others	Wall mount bracket, I/O cable, screws, waterproof connectors, terminal blocks, quick installation guide, warranty card, alignment sticker, ground wire, T25 stardriver, desiccant bags

Dimensions

237 mm

326 mm

499 mm

364 mm
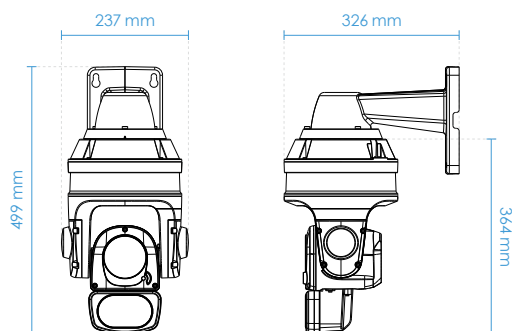
Compatible Accessories

Mounting Kits / Others

AM-220 Wall Mount Bracket	AM-529 Mounting Adapter	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

Compatible Accessories

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