VIVOTEK

S series SD9364-EH-v2
Speed Dome Network Camera

The SD9364-EH-v2 is the latest professional IR speed dome camera from VIVOTEK, specifically designed to enhance low light surveillance in large coverage areas. Equipped with 250M IR illuminators and a 30x optical zoom lens, the SD9364-EH-v2 provides a superb low light image in the most challenging situations. The SD9364-EH-v2 also adopts VIVOTEK's Smart IR II technology, Vari-Angle IR. VIVOTEK's Vari-Angle IR provides smooth vari-angle adjustment of the IR illuminators, allowing broad coverage FOV and highly uniform IR intensity while avoiding hotspots traditionally associated with IR illumination.

The SD9364-EH-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, Vari-Angle IR, WDR, and 30x optical zoom, the SD9364-EH-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-EH-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-EH-v2 ideally suited to monitor wide open spaces such as ports, highways, cities, and parking lots where high-level precision is required.

As with all VIVOTEK true day/night cameras, the SD9364-EH-v2 features a removable IR-cut filter, maintaining clear images 24 hours a day. Audio detection is included by recognizing changes in ambient noise. The SD9364-EH-v2 also includes a MicroSD/SDHC/SDXC card slot and supports up to 60 fps in 1080P full HD. For the most demanding outdoor surveillance application, there is nothing that compares to the VIVOTEK SD9364-EH-v2.

* Depending on scene.

Key Features

· H.265 Compression technology
· 1080P Full HD CMOS Sensor
· 60 fps @ 1080p Full HD
· 30x Zoom Lens
· 250M IR with Smart IR II (Vari-Angle IR)
· 360° Continuous Pan and 220° Tilt
· Removable IR-cut Filter for Day & Night Function
· WDR Pro for Unparalleled Visibility in High Contrast Environments
· Weather-proof IP66-rated, Vandal-proof IK10 and NEMA 4X-rated Housing
· -50°C ~ 55°C Wide Temperature Range for Extreme Weather Conditions
· EIS (Electronic Image Stabilization) to Control Image Stability
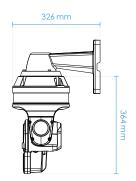
Without Smart IR II

With Smart IR II

Technical Specifications

Model	SD9364-EH-v2

System Information

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

Camera Features

Image Sensor	1/2.8" Progressive CMOS
Max. Resolution	1920x1080 (2MP)
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	1 sec. to 10,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut Filter	Yes
Minimum Illumination	0.195 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	48x digital zoom (4x on IE plug-in, 12x built-in), Auto pan mode, Auto patrol mode
IR Illuminators	Built-in IR Illuminators up to 250 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	66 dB
Dynamic Range	130 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control, Smart Stream II
Image Settings	Time stamp, text overlay, flip and 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 (full duplex)
Compression	G.711, G.726
Interface	External microphone input External line output

Network

Users	Live viewing for up to 10 clients
Protocols	802.1X, ARP, CIFS/SMB, CoS, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTCIP, NTP, PPPoE, QoS, RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, UDP, UPnP
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
VADP Package	Genetec package, Amazon Kinesis Video Streams

Alarm and Event

Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, audio detection, SD card life expectancy
Alarm Events	Event notification via digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card

General

Connectors	RJ-45 cable connector for Network 10/100Mbps 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

Technical Specifications

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, IR on) Max. 51 W (Heater off, IR on) AC/DC 24V: Max. 63 W (Heater on, IR on) Max. 45 W (Heater off, IR on)
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, 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 star driver, desiccant bags

Dimensions

Compatible Accessories

Mounting Kits		Others		
 AM-220 Wall Mount Bracket (standard package)	 **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

24VDC	24VAC	
 HLG-120H-24 Industrial 24VDC/120W Power Supply, IP67	 **AA-351** Outdoor Power Box, 24VAC/144W, IP67, IK10	 **AA-352** Outdoor Power Box, 24VAC/144W, IP67, IK10

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	