VIVOTEK

S series

SD9363-EHL
Speed Dome Network Camera

1080p 60 fps · 20x Zoom · 150M IR · Smart IR II · NEMA 4X · IP66 · Defog · -50°C ~ 55°C · EIS · GbE Port

The SD9363-EHL is the latest professional speed dome camera from VIVOTEK, specifically designed to enhance low light surveillance in large coverage areas. Equipped with 150 M IR illuminators and a 20x optical zoom lens, the SD9363-EHL provides a superb low light image in the most challenging situations. The SD9363-EHL also adopts VIVOTEK's latest Smart IR II technology, Vari-Angle IR. VIVOTEK's Vari-Angle IR provides smooth variangle adjustment of the IR illuminators, allowing broad coverage FOV and highly uniform IR intensity while avoiding hot-spots traditionally associated with IR illumination.

The SD9363-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, Vari-Angle IR, WDR, and 20x optical zoom, the SD9363-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 SD9363-EHL 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 SD9363-EHL 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 SD9363-EHL features a removable IR-cut filter, maintaining clear images 24 hours a day. Audio detection is included by recognizing changes in ambient noise. The SD9363-EHL also includes a SD/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 SD9363-EHL.

* Depending on scene.

Key Features

- Real-time H.265, H.264 and MJPEG Compression (Triple Codec)
- 1080p HD CMOS Sensor
- 60 fps @ 1080p Full HD
- 20x Zoom Lens, 150 M IR
- Smart IR II (Vari-Angle IR)
- Removable IR-cut Filter for Day & Night Function
- 360° Continuous Pan and 220° Tilt
- 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
- Audio Detection for Instant Alerts
- Auto Tracking for Moving Objects
- Smart Stream II to Optimize Bandwidth Efficiency
- 3D Privacy Masks for Additional Protection
- Built-in SD/SDHC/SDXC Card Slot for On-board Storage
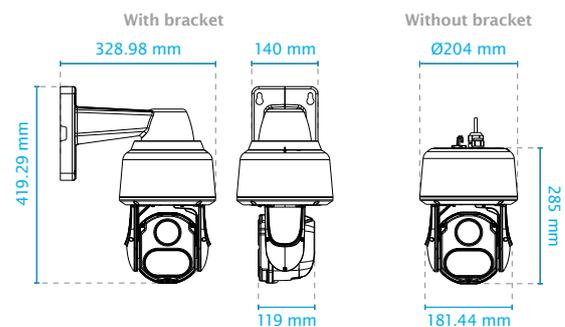- Defog
- EIS

Without Vari-Angle IR

With Vari-Angle IR

Technical Specifications

Model	SD9363-EHL(with Bracket, IO Cable) SD9363-EHL(without Bracket, IO Cable)

System Information

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

Camera Features

Image Sensor	1/3" Progressive CMOS
Maximum Resolution	1920x1080
Lens Type	20x Optical Zoom, Auto Focus
Focal Length	f = 4.7 ~ 94 mm (20x zoom)
Aperture	F1.6 ~ F3.5
Auto-iris	DC-iris
Field of View	3˚ ~ 55˚ (Horizontal) 2˚ ~ 33˚ (Vertical) 3˚ ~ 63˚ (Diagonal)
Shutter Time	1/8 sec. to 1/30,000 sec.
WDR Technology	WDR Pro
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.26 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)
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	150 m
On-board Storage	Slot type: 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	53 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 (full duplex)
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/1000 Base-T 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
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

General

Connectors	RJ-45 cable connector for Network 10/100/1000Mbps PoE connection Audio input Audio output DC 48V power input Digital input*4 Digital output*2 RS-485 for PTZ control (PelcoD protocol, Baud rate 2400)
LED Indicator	System power and status indicator
Power Input	95W PoH/PoE DC 48V
Power Consumption	Max. 81.8 W (Heater on) Max. 28.5 W (Heater off)
Dimensions	Ø 204 x 285 mm
Weight	7.43 kg (with bracket) 6.03 kg (without bracket)
Casing	Weather-proof IP66, Vandal-proof IK10 and NEMA 4X-rated housing
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: -50˚C ~ 55˚C (-58˚F ~ 131˚F)
Humidity	90%
Warranty	36 months

System Requirements

Operating System	Microsoft Windows 8/7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 7/8/9/10/11
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*, I/O cable*, screws, waterproof connectors, terminal blocks, quick installation guide, warranty card, alignment sticker, ground wire, T25 stardriver, software CD, desiccant bags *: Standard package for SD9363-EHL(with Bracket, IO Cable).

Dimensions

With bracket — 328.98 mm, 140 mm, 419.29 mm, 119 mm

Without bracket — Ø204 mm, 285 mm, 181.44 mm

Ordering Information

Model		Description	P/N
SD9363-EHL	SD9363-EHL(with Bracket, IO Cable)	H.265 Full HD IR PTZ Camera (20x, 150M IR), with Bracket and IO Cable	100148000G
	SD9363-EHL(without Bracket, IO Cable)	H.265 Full HD IR PTZ Camera (20x, 150M IR), without Bracket and IO Cable	100182200G

Compatible Accessories

Mounting Kits

AM-220
Wall Mount Bracket

AM-529
Mounting Adapter

Others

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

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PoE Kit/Power Adapter

48VDC

AW-IHS-0200/0201/0203
Industrial Fiber Media Converter

+

HLG-120H-48
Industrial 48VDC/120W Power Supply, IP67

HLG-120H-48
Industrial 48VDC/120W Power Supply, IP67

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