

# S9W HD IP



## Fixed camera station (safe)

### Overview

Eaton's weather proof series are highly advanced process and surveillance camera stations that are designed to meet world wide demanding environments.

### Features

- Full HD resolution
- Flexible powering (PoE, 30 VAC, 24 VDC)
- Integrated wiper
- Wide dynamic range
- IR sensitive
- Video motion detection
- Automatic day/night function
- Multi-cable accommodated
- Washer pump & tank (optional)
- Sunshield included
- Built-in heating
- Scratch proof, tempered glass
- Designed to accept future software upgrades remotely

The S9W HD IP fixed camera station is typically designed for security purposes and marine applications. Its compact design makes it an extremely versatile camera station choice where space is limited or at a premium.

Designed specifically for operation in the most demanding conditions the S9W HD IP is built from high quality electro polished 316L stainless steel and has, scratch resistant tempered window glass, built-in heater and flexible low power & PoE options.

Additionally the S9W HD IP with it's IP66 & IP67 ingress protection makes it exceptionally resilient to extreme environmental conditions where vibration, humidity, extreme temperature variations and corrosion are a normal occurrence.

Installation is simple and a single cable is sufficient for the transmission of data and power, routed directly to the control cabinet (standard Ethernet cable or Eaton's HERNIS™ multi-cable with power and Ethernet).

The S9W HD IP can work with light sensitivity as low as 0.01 lux, is full 1080P and uses Eaton HERNIS™ Flex IP control protocol, additionally the future proof design can facilitate future software upgrade and diagnostics remotely.



## Certifications

Type Approval DNV GL Certificate No: TAA00000C8

## Specifications

### Physical dimensions camera

Weight	5.5 kg (included tank 2.0 kg)
Dimensions (W x H x D)	140 x 153 x 290 mm 158 x 247 x 90 mm (washer fluid tank)
Tank capacity	1.6 liters
Mounting	Upright or hanging - bolts: M8 (not included)
Material & finish	Stainless steel AISI 316L, electro polished

### Operating conditions camera

IP protection rate	IP66 (≈ NEMA 4x)
Humidity	Up to 100%
Operating temperature range	-25°C ~ +55°C (heating element inside housing)
Vibration	3 ~ 100Hz (1mm or 0.7gr)
Enclosure	Salt mist tested

### Camera

Image sensor	1/2.8" progressive scan CMOS
Sync system	Internal
Frame rate	50 HZ: 25 fps (1920 x 1080), 25 fps (12'80 x 720) 60 HZ: 30 fps (1920 x 1080), 30 fps (1280 x 720)
Min. illumination	Color: 0.05 lux @ (F1.6, AGC on) B/W: 0.01 lux @ (F1.6, AGC on)
S/N ratio / WDR	> 50 dB / WDR

### Lens

Focal length	4.7 - 94 mm, 20 x optical zoom
Aperture range	F1.6 - F3.5
Angle of view	61.4° - 2.9° (wide-tele)
Min. working distance	10 mm - 1500 mm (wide-tele)
Zoom speed	Approx. 2.7 s (optical, wide-tele)
Day & night	IR cut filter auto switch

### Specifications IP

Protocol	IPv4/IPv6, TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6 (SIP, SRTP optional)
Compression	Main stream: H.264 Sub stream: H.264, MJPEG

### H.264 compression profile

Main profile, high profile

### Dual-streaming

Supported

### Video bit rate

256 Kbs - 13 Mbps

### Ethernet port

1 RJ45 10M/100M ethernet interface

### Electrical data

CAT6 AWG23

### Attributes

Power supply 30 VAC (+10% -30%, 50/60Hz) / 24VDC (+/-10%) / PoE (IEEE802.3at)

Power consumption 30VAC: 7.0W Min, (26W Max. heater on) (22W Max wipe on) (47W Max wash pump on)  
24VDC: 7.0W Min, (20W Max. heater on) (22W Max wipe on) (47W Max wash pump on)  
PoE at: 7.0W Min, (20W Max. heater on) (22W Max wipe on) (25.5W Max wash pump on)

Heat dissipation 30VAC: 7.0W Min, (26W Max. heater on)  
24VDC: 7.0W Min, (20W Max. heater on)  
PoE: 7.0W Min, (20W Max. heater on)

### Accessories

Included Tank and Pump with 2.5 meter cable/hose, sunshield

Optional Tropical sunshield, safety wire

## Ordering requirements

The following code is designed to help in selection of the correct unit.

HERNIS™ part no:	097162-15x/466
151/466	IP 30VAC 20xZ 1080p
155/466	IP 24VDC 20xZ 1080p
156/466	IP PoE 20xZ 1080p

## General arrangement drawing (all dimensions in mm)

