CROUSE-HINDS SERIES

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 HERNISTM 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.





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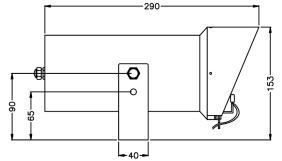
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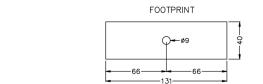
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Certifications General arrangement drawing (all dimensions in mm)

| 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) | |





| Modificing | opright of hanging boits. We thet included |
|-----------------------------|---|
| Material & finish | Stainless steel AISI 316L, electro polished |
| Operating conditions came | era |
| 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 × 1080), 25 fps (12¹80 × 720) 60 HZ: 30 fps (1920 × 1080), 30 fps (1280 × 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 |
| Land | |

| Lens |
|-----------------------|
| Focal length |
| Aperture range |
| Angle of view |
| Min. working distance |
| Zoom speed |
| Day & night |
| Specifications IP |
| |

4.7 - 94 mm, 20 x optical zoom F1.6 - F3.5

61.4° - 2.9° (wide-tele) 10 mm - 1500 mm (wide-tele) Approx. 2.7 s (optical, wide-tele) IR cut filter auto switch

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

Sub stream: H.264, MJPEG Main profile, high profile H.264 compression profile **Dual-streaming** Supported

Video bit rate 256 Kbs - 13 Mbps 1 RJ45 10M/100M ethernet interface Ethernet port CAT6 AWG23 Electrical data

Attributes Power supply

30 VAC (+10% -30%, 50/60Hz) / 24VDC (+/-10%) / PoE (IEEE802.3at) 7.0W Min, (26W Max. heater on) (22W Max wipe on) (47W Max wash pump on) 7.0W Min, (20W Max. heater on) (22W Max wipe on) (47W Max wash pump on) 7.0W Min, (20W Max. heater on) (22W Max wipe on) (25.5W Max wash pump on) 30VAC: Power consumption 24VDC: PoE at:

30VAC: 7.0W Min, (26W Max. heater on) Heat dissipation 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: | 097162-15 x /466 |
|------------------|-------------------------|
| 15 <u>1</u> /466 | IP 30VAC 20xZ 1080p |
| 15 <u>5</u> /466 | IP 24VDC 20xZ 1080p |
| 15 <u>6</u> /466 | IP PoE 20xZ 1080p |