

SAIS IP-HD-CAM™

ETHERNET CAMERAS



The SAIS IP-CAM™ is a rugged High Definition (HD) Ethernet Camera for live monitoring of underwater areas. This camera has been designed for permanent installations in the marine environment at a maximum depth of 200ft (60m). It features an exterior with no exposed metal surfaces to reduce the likelihood of corrosion occurring in the harsh saltwater environment. The clear front port is made from impact resistant acrylic. With proper care, the camera should provide many years of corrosion and maintenance-free use.

The POE feature allows the camera to be powered over simple, commercially available CAT-5e type cable of up to 333ft (100m) length. Simply connect a standard CAT-5e Ethernet cable between the POE and your laptop and you will have a live HD view from the camera. From there endless possibilities abound; capture stills, log and record video data or even stream live to the internet.

Technical Specifications

PHYSICAL	
Body:	6061-T6 Alloy or Delrin
Diameter (Body)	2.5 in (64 mm)
OAL	6.5 in (160 mm)
Window	Acrylic
Weight in Air	1.5 lbs (0.74 kg)
Approx Weight in Water	1 lbs (0.45 kg)
Operating Depth	200 ft (60 m)
Operating Temperature	0°C to 50°C (32°F to 122°F)
IMAGE	
Resolution	3 Megapixel (2096 x 1561)
Horizontal viewing angle	88 deg
Codec Image Size	2048×1536(JpegOnly), 1920x1080, 1600x1200, 1680x1056, 1440x912, 1280x1024, 1280x960, 1376x768, 1280x800, 1280x720, 1024x768, 1024x576, 768x576, 720x576, 704x576, 800x480, 720x480, 640x480, 640x368, 384x288, 352x288, 320x240, 320x192, 176x144
Video Compression Format	H.264, MPEG-4, JPEG
Codec Streaming Capability	Dual streaming
Maximum frame rate	H.264: 15fps (1920×1080) / 30fps (1280×720) JPEG: 12fps (2048×1536) / 15fps (1920×1080) / 30fps (1280×720) MPEG-4: 15fps (1920×1080) / 30fps (1280×720)
Image device	1/2.8 type progressive scan “Exmor” CMOS sensor
ELECTRICAL	
Power Requirements	PoE (IEEE802.3af compliant)
Power Consumption	2.4W