

# SAIS -SDI Bullet CAM

## HD-SDI CAMERAS



The SAIS 3G-SDI Bullet-CAM is a rugged Full-HD Camera with 1080i60/50, 1080p60/50(3G-SDI), 1080p30/25, and 720p60/50 resolutions for stunning broadcast images when filming Sports, Reality-TV, Newscast, Documentaries, Stunts, Hidden Cams and any underwater scenes where a compact, reliable, high quality camera is needed.

The high-quality, HD lens provides a super-wide, undistorted diagonal FOV of 94 degrees (in air). OSD control via Pelco (D/P) protocol makes this the ideal camera for situations where the operator is located on the surface or some distance from the camera. The cable used is a small diameter high-quality cable that can be deployed in lengths of up to 333ft (100m). This camera has true Day/Night functionality with features such as double shutter Wide Dynamic Range, adaptive Digital Noise Reduction (2D/3D), Digital Fog Removal, High Light Compensation, and a variety of OSD adjustments creating clear, crisp, High Definition video images.

The camera has been designed in two versions: A plastic housing for use at a maximum depth of 200ft (60m) that features an exterior with no exposed metal surfaces to reduce the likelihood of corrosion occurring in the harsh saltwater environment and; an aluminum housing that features a detachable underwater connector which is rated to 1000ft (300m). The clear front port on both versions is made from impact resistant acrylic.

# Technical Specifications

<b>PHYSICAL</b>	
Body:	Delrin or Anodized 6061-T6 Alloy
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	Delrin Housing: 200 ft (60 m) Aluminum Housing: 1000ft (300 m)
Operating Temperature	0°C to 50°C (32°F to 122°F)
<b>IMAGE</b>	
Image device	1/3" 2.1 Megapixel Color progressive scan CMOS sensor
Resolution	2.1 Megapixel (1920 x 1080)
Minimum Illumination	1.0Lux (Color), 0.5Lux (BW), 0.02Lux (Sens-up x30)
Video Format	HD-SDI / 3G -SDI
Video Resolution / Modes	Field selectable 1080p/60/50/30/25, 1080i/60/50/30/25, 720p/60/50/30/25
Lens Type	3.0mm Fixed Focal Length (~ 94deg Horiz FOV in air, less in water)
Alternate lenses available for install at factory	3.7mm, 4.3mm,5.6mm,8.0mm,12mm,16mm
<b>OSD</b>	Built-in
<b>Protocol</b>	Pelco - D/P
	This camera board has true Day/Night functionality with features such as double shutter Wide Dynamic Range, adaptive Digital Noise Reduction (2D/3D), Digital Fog Removal, High Light Compensation, and a variety of OSD adjustments creating clear, crisp, High Definition video images.
<b>CABLE</b>	
Composite cable, Outdoor rated	RG59 HD/SDI Coax,2X 22AWG Audio Single-Pairs (one for OSD other unused - no audio available from camera), Shielded 16AWG Power Pair, 4.5GHz Coaxial Bandwidth, SMPTE 259, 292 & 424 Compliant Flexible and Rugged TPE Jacket
<b>ELECTRICAL</b>	
Power Requirements	12VDC (+/-10%) / 150mA at camera For standard 330ft cable, 14VDC / 250mA min. power supply recommended
Power Consumption	30p: Max. 2.1W (170mA) / 60p: Max. 2.8W (230mA)