

# SAIS-HD-SDI-ZOOM

## SPECIFICATION SHEET



The SAIS HD-SDI ZOOM CAMERA, 300m (1000ft) rated camera is a full HD camera offering:

- User-selected resolution / frame rates of 1080p / 30fps, 1080i / 60fps or 720p / 60fps.
- 10X optical zoom.
- HD-SDI SMPTE 292M Standard.
- Uncompressed video signal with no latency.
- Transmission of up to 100m (330ft) over Coaxial Cable.
- Control via RS-232.
- Auto or Manual focus
- Low light capable - 0.35Lux (Slow Shutter ON)
- Depth rating of 300m (1000ft).
- Synthetic sapphire crystal front port.
- Anodized aluminum body (other materials available upon request).

# Specification S

<b>PHYSICAL</b>	
Body:	Anodized 6061-T6 Alloy or Anodized 7075-T6 Alloy
Diameter (Body)	3.5 in (89 mm)
Length	9 in (229 mm) - does not include connector
Window	Sapphire Crystal
Weight in Air	1.5 lbs (0.74 kg)
Approx Weight in Water	1 lbs (0.45 kg)
Operating Depth	6061-T6 Aluminum Housing: 1100ft (350 m) 7075-T6 Aluminum Housing: 1968ft (600 m)
Operating Temperature	0°C to 45°C (32°F to 113°F)
<b>IMAGE</b>	
Image Device	1/2.5" Primary Color CMOS sensor
Effective pixels	Aspect 16:9 Approximately 2.07M pixels
Lens	1/3.6", f=4.5-45.0mm, F1.8-2.2
Zoom	Optical 10X
Minimum Lux	6Lux (F1.8/50IRE/TV=1/30sec, 1920 x 1080 movie) 0.35Lux (Slow Shutter ON)
Video Signal	1920 x 1080 25p/ 30p/ 50i/ 60i, 1280 x 720 50p/ 60p
Minimum Object Distance	Wide limit : 1cm / Tele limit : 100cm
Focus	Auto or Manual
Other Functions	BLC / AWB / Noise Reduction / Flicker Reduction / Image Stabilizer Mirror(Vertical-Horizontal)
Video Output	1920 x 1080p 25/30 1920 x 1080i 50/60 1280 x 720p 50/60
Output Format/ Interface SDI	HD-SDI, SMPTE-292M / 75ohm BNC
Output Format/ Interface Comp. (Comp output is OPTIONAL)	1V p-p, NTSC, PAL / 75ohm BNC
<b>ELECTRICAL</b>	
Power Requirements	DC 12V(Voltage Tolerance : 8V~15V)
Power Consumption	Max. 500mA / 12V DC
<b>INTERFACE</b>	
Control	RS-232
On-Screen Display	Support(16 Color) / OSD Menu / OSD Caption