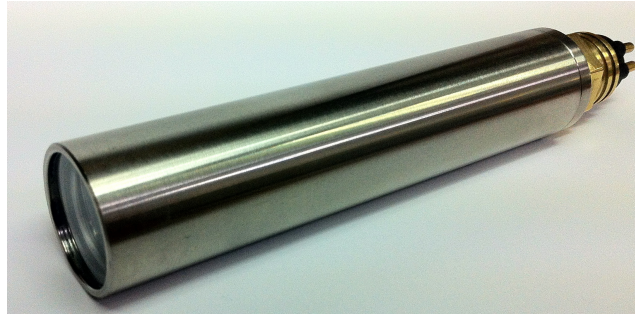




EXTREME ENVIRONMENT EQUIPMENT TECHNOLOGY

DATA SHEET RAYCAM-004SS

Miniature Standard Definition Underwater Video Camera



CCD Module

Signal Format:	PAL
Total Pixels Number:	795(H) x 596(V) 470K
Effective Pixel Number:	752(H) x 582(V) 440k
Pick Up Device:	1/3 Type Super HAD CCD II (Sony)
Scanning system:	2:1 Interlace
Sync System:	Internal
Scanning frequency:	50Hz (VD)
Horizontal Resolution:	560 Lines
S/N Ratio:	More than 50dB (AGC Off)
Video Output:	Amplitude Adjusted 1 to 2Vp-p ; High Frequency Compensation Selectable.
Min. Illumination:	0.1Lux/F2.0 (0.0002 Lux Sense Up x 256)
Operating Temperature:	-10°C TO 50°C
Lens Type:	f3.7 , 4.3mm
Power Source:	14 to 32Vdc 120mA

OSD Options

Exposure:	ALC, ESC
Brightness:	Adjustable
Shutter Speed:	1/60(1/50) , A.FLk. 1/250~1/12000, FIX x12~x2
White Balance:	AWB, ATW, AWC-PUSH, Manual
Backlight Compensation:	Off ,DRC ,BLC ,HLM
Automatic Gain Control:	Off, On, (Low, Middle, High)
3-DNR:	0 – 6 Steps
Sense Up:	Off, x2 – 256
Day/Night:	Auto, Ext, Colour, B/W
Image:	Off, Mirror, Flip, Digital Zoom, Sharpness, Saturation.

Mechanical Specifications

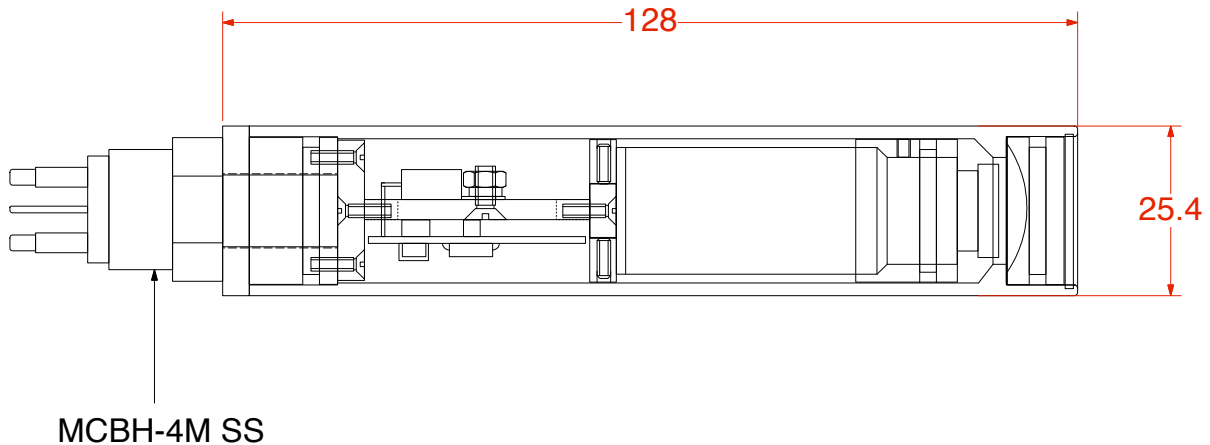
Outside Dimensions: 25.4mmØ
Length: 150mm including underwater connectors
Depth Rating: 2000msw
Viewing port: Water corrected CR30
Material: 316L Stainless Steel

Electrical Specifications

Underwater Connector: MCBH-4-MP/SS

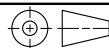
Pin Outs

- 1 - Screen/0vdc
- 2 - Video
- 3 - +24vdc
- 4 - OSD/RS485+



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
TOLERANCE ON ANGLE $\pm 5^\circ$
0 PL ± 0.5 1 PL ± 0.5
INTERPRET DIM AND TOL PER
ASME Y14.5M-1994

FIRST ANGLE PROJECTION



DESIGNED BY
WDR

DRAWN BY
WDR

CHECKED BY
R. HOLBIL

APPROVED BY

OTHER APPROVALS

N/R

CAD FILE NAME

RAYCAM_4

RAYTECH SERVICES PTY LTD
8b SPARKS RD, HENDERSON WA 6166
Phone: 089 437 3022 Facsimile: 089 437 3425 E-mail: raytech@raytechtechnologies.com.au

TITLE
MINITURE UNDERWATER COLOUR CAMERA
GA
RAYCAM-4 SS

SIZE A3	CAGE CODE Cge Cd	DRAWING NO. 1	REV 1
SCALE 1:2	EST. WGT N/A	SHEET 1	OF 1