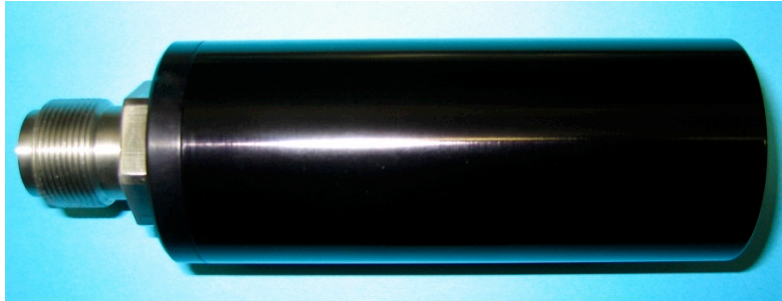




EXTREME ENVIRONMENT EQUIPMENT TECHNOLOGY

DATA SHEET
RAYCAM-003 ECONO
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: 40mmØ
 Length: 150mm including underwater connectors
 Depth Rating: 1000msw
 Viewing port: Water corrected CR30
 Material: 6061-T6

Electrical Specifications

Underwater Connector: BH-4-MP/SS or customer specify

Pin Outs

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

