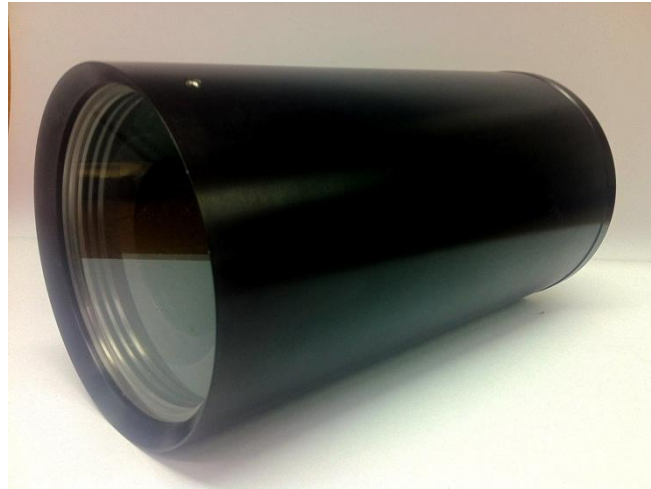




EXTREME ENVIRONMENT EQUIPMENT TECHNOLOGY

DATA SHEET

ZOOM X37 UNDERWATER VIDEO CAMERA



CCD Module

Signal Format:	PAL
Total Pixels Number:	795(H) x 596(V)
Effective Pixel Number:	752(H) x 582(V)
Pick Up Device:	1/4 Type Super HAD Colour CCD
Scanning system:	2:1 Interlace
Sync System:	Internal/linelock
Scanning frequency:	50Hz (VD)
Horizontal Resolution:	600 Lines(min) : Colour /680lines(min) :B/W
S/N Ratio:	More than 52dB (AGC Off)
Video Output:	Amplitude Adjusted 1 to 2Vp-p ; High Frequency Compensation Selectable.
Min. Illumination:	0.2Lux/F2.0 (0.2 Lux B/W)
Sens. Up:	Auto/off
Operating Temperature:	-10°C TO 50°C
Focus:	Auto/manual/One push
Optic:	37 X F=3.5mm(wide) -129.5mm(TELE)/F1.6 – F3.9
Min. focus Distance:	1,500mm (TELE)
Angle Field Of View:	H:55.5° (wide) to 1.59°(Tele)/V ; Appr.42.5° (Wide) to 1.19°(Tele)
Control:	RS485 (2400 to 57600bps)
GIU Control:	Windows XP or 7 - RAYTECH SERVICES “Zoom Camera Control GIU”
OSD:	Via software or Control
Power Source:	14 to 32Vdc 480mA

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
SensUp:	Off, x2 – 256
Day/Night:	Auto, Ext, Colour, B/W
Motion Detection:	Off, On (192 Zones)
Privacy Zone:	Off, On (8 Areas)
Cam ID:	20 Digits, 60 Characters
Image:	Off, Mirror, Flip, Digital Zoom, Sharpness, Saturation.

Mechanical Specifications

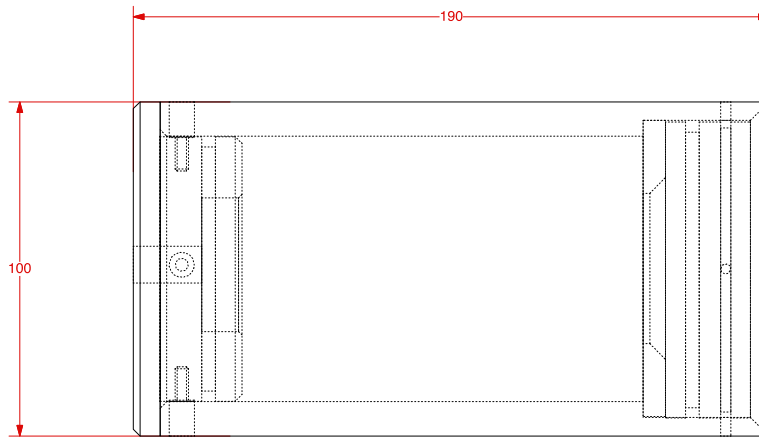
Outside Dimensions:	100 mmØ
Length:	190mm
Depth Rating:	2000msw
Viewing port:	Water corrected poly carbonate
Material:	6061-T6 Black Anodised Finish

Electrical Specifications

Underwater Connector:	MCBH-8-MP/SS
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Pin Outs

1	-	Screen/0vdc
2	-	Video
3	-	+/- Focus or +RS485
4	-	+/- Focus or -RS485
5	-	+24Vdc
6	-	0Vdc
7	-	+/- Zoom
8	-	+/- Zoom



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