

Q-LINK IP™ Extender

Underwater IP VDSL high speed data extender over a single twisted pair (STP) cable



The OTAQ Q-LINK IP is a subsea 10/100 VDSL extender unit that allows the use of ethernet based devices when only a shielded twisted pair (STP) cable is available.

The system comprises a subsea module and a topside unit with a proven operating distance of up to 1km (tether & application dependant). The Q-LINK is ideal for enhancing non fibre optic inspection class ROVs by enabling the integration of a variety of ethernet devices including cameras. Our 300m Acetal variants are extremely lightweight making them perfect for use with compact ROVs.

The OTAQ Q-LINK is an ideal partner to the OTAQ™ range of IP underwater cameras.

Suitable Applications

- Inspection class ROVs with no fibre optic link
- Commercial ROVs and AUVs of all sizes
- Monitoring platforms
- Landers
- Marine renewables inspection
- Touchdown monitoring
- Oceanographic research

Q-LINK IP™ Extender

Underwater IP extender provides full high speed ethernet over a single twisted pair (STP) cable



Q-LINK IP 2 Channel Extender



All dimensions in mm

CASE STUDY

Seaeye Tiger Trial

- 930m total transmission distance
- 660m Umbilical, 240m Tether & 30m deck cable
- Winch Slip Ring Focal Model 176
- TMS Slip Ring Focal Model 180
- 250VDC power supply, thrusters & lights on full

Results:

- 1 x OTAQ IP camera operated at 1080p @ 25 fps
 - no degradation
- 2 x OTAQ IP cameras operated at 720p @ 18 fps
 - both cameras in sync, no degradation

Full case study available upon request

Model	Q LINK IP 2CH		
	2CH 300M ACE	2CH 1000M AA	2CH 4000M AA
Material	Acetal	Anodised Aluminium	Anodised Aluminium
Depth rating	300m	1000m	4000m
Maximum STP cable length	1000m	1000m	1000m
Weight (in air)		1.7kg	2.0kg
Weight (in water)		0.6kg	0.9kg
Data	10/100 BaseT Ethernet		
Power	18-30vDC @ 300mA		
Power and VDSL connector	MCBH4M		
IP Connector	2 x MCBH6F	2 x MCBH6F	2 x MCBH6F
Part no	OS-130100	OS-130105	OS-130105

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