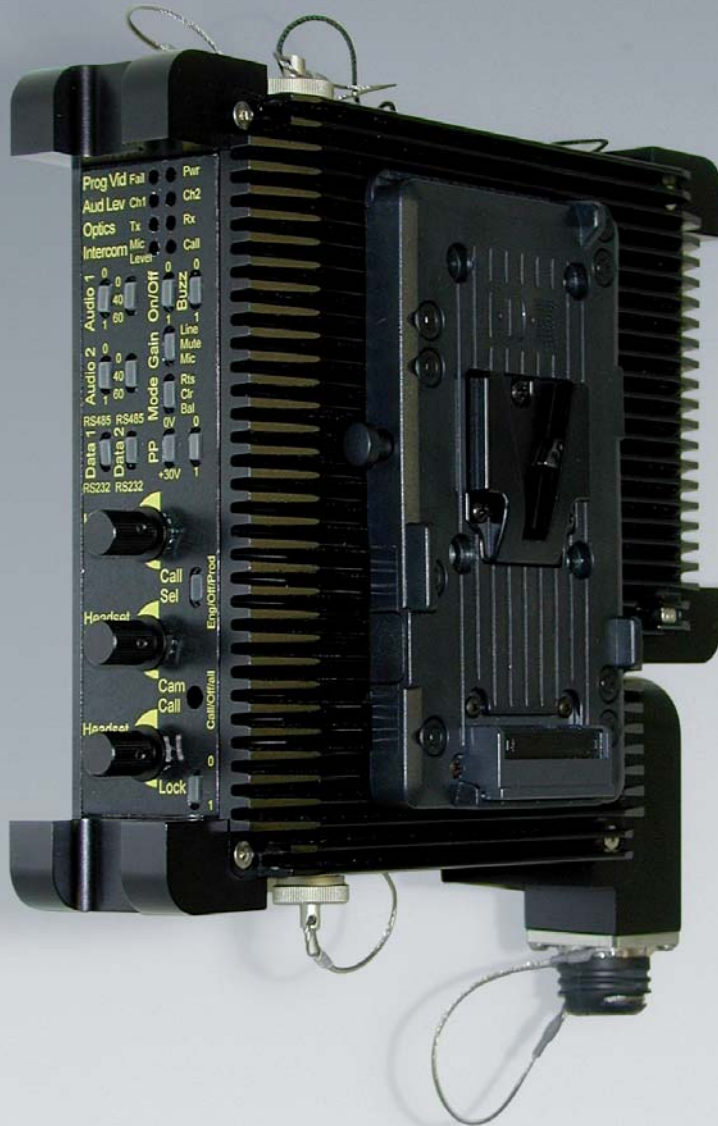


PRELIMINARY  
DATASHEET

# HD Z-LINK™ FIBRE OPTIC LINK SYSTEM FOR VIDEO, AUDIO AND CONTROL SIGNALS



## Compact digital optical link

The HD Z-Link fibre optic camera link system from LEMO provides multi-channel system camera-style video and audio connections, and control for studio cameras and camcorders alike over a single hybrid cable using LEMO 3K.93C connectors.

The use of high bandwidth fibre optics and the multiplexing of numerous forward and return video, audio, talkback and data channels provides full communication with any camera position.



The HD Z-Link is compatible with a wide ranges of cameras from top end digital cinematography cameras, broadcast system cameras and camcorders, professional cameras and camcorders and top end consumer cameras from Sony, Thomson, Hitachi, Ikegami, and Panasonic, to name a few, to low cost handheld camcorders.

The dual 1.5Gb/s HD SDI option allows support of stereoscopic (3D) implementations of the Red One® (and other cameras).

The HD Z-Link is able to carry 3Gb/s HD SDI which gives it a competitive advantage over the 2.5Gb/s products that do not support 1080P.

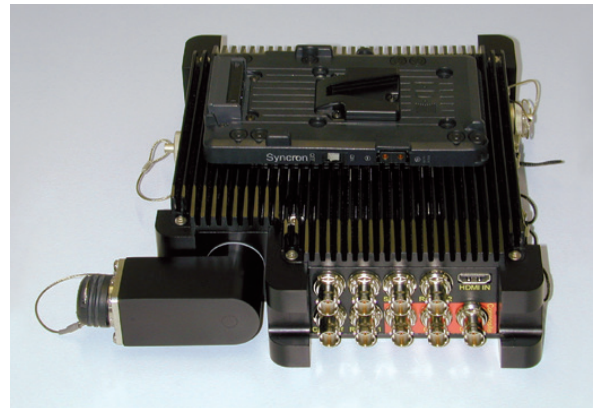
The base unit incorporates a menu-driven front panel control for ease of configuration of your camera system. The system offers automatic Genlock/synchroniser management facilities. Additional features include full audio with 8 digital stereo channels and intercom systems.

An extensive range of connectors is provided to enable connection of most camera types and ethernet connectivity is also provided.

A clip-on in-line power supply option is also available providing up to 120W.



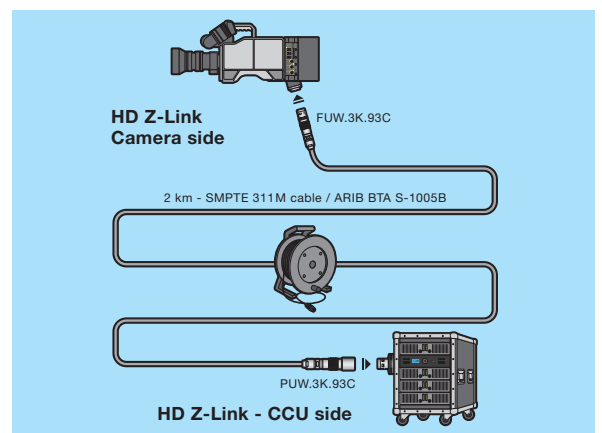
HD Z-Link CCU side



HD Z-Link camera side

Characteristics	HD Z-Link with all options	Basic HD Z-Link
3G 1080P 50Hz or 59.94Hz programme video	•	○
HD 1.5Gb/s programme video	•	•
Dual HD channel programme video for stereoscopic (3D)	•	○
Dual link HD to 3G conversion (Level B)	•	○
3G 1080P return video	•	○
Analogue video	•	•
Basic camera reference connection	•	•
Gearsync (Automatic Genlock/Synchroniser management)	•	○
8 stereo digital audio channels + 1 stereo analogue audio channel	•	•
Two-channel intercom	•	•
Multisystem intercom	•	•
Front panel menu-driven control unit	•	•
Test pattern generator	•	•
HD to SD monitoring down converter	•	○
Ethernet port	•	•
Compatible with all SD cameras	•	•
Compatible with all HD cameras	•	(not 3G 1080P)
9V supply for Camcorders	•	•
Hybrid power option (120W)	•	•

Part Number	Description
CHD.MZ.3KC.NVVF	HD Z-LINK FULL FEATURE (Camera side)
RHD.MZ.3KC.NZZF	HD Z-LINK FULL FEATURE (CCU side)
CHD.MZ.3KC.NVVB	HD Z-LINK BASIC (Camera side)
RHD.MZ.3KC.NZZB	HD Z-LINK BASIC (CCU side)
PHD.MZ.3KC.NVVZ	HYBRID POWER (Camera side)
THD.MZ.3KC.NZZZ	HYBRID POWER (CCU side)



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