

**NEW
HD VERSION**

MEERKAT™

FULLY DIGITAL TRIAX-TO-FIBRE VIDEO MEDIA CONVERTER



A compact solution for Sony® SD, Thomson® SD/HD and Hitachi® SD/HD camera based systems

The LEMO MEERKAT™ Triax media converter system provides the solution the broadcast industry has been waiting for. This compact “plug and play” transmission system provides a fibre link between SD/HD Triax cameras and OB vans. The LEMO Media Converter offers mobile facility providers, production centres and broadcast studios an appropriate and professional solution for long distance signal transmission.

Get more from your cables

The camera is powered via a hybrid cable from the CCU with both the camera signals and the return monitor signals being digitally encoded and transmitted over fibre. The SMPTE 311 hybrid cable uses the well proven technology of the LEMO 3K.93C series. If power from the CCU/OB van is not required, i. e. local power is available, a two fibre cable using 2 x FC-PC or 2 x SC may be used for signal transmission.



Going the distance digitally

TRIAX	2 km
Fibre (with remote power)	2 km
Fibre (with local power)	20 km

Technical characteristics

Characteristics	Values
Weight / dimension	2 kg / 170 x 50 x 125 mm
Transmission wavelength	1310 nm / 1550 nm
Cable	hybrid SMPTE 311 M 2 fibre 9/125
Fibre type	Single mode
Optical connector	LEMO 3K.93C Series
Electrical triax connector	See below for options
Optical receiver sensitivity	-3 dB to -21 dB
Data rate	2 x 2.5 GB/s
Optical output power	200 µW (250 µW max)
Protection index	IP 66 (when mated)
Temperature range	-40°C to +55°C
Humidity range	Up to 95%
Input voltage	12 Vdc @ 1.5 A maximum



LEMO triax connector on the camera	Part number of the MEERKAT™ (A) on the camera side	Electrical triax connector on cable
Socket 4M.650	PHW.MT.3KC.TFRP10	FGG.4M.650.CTLC90
Plug 4M.650	PHW.MT.3KC.TPRP10	PHG.4M.650.CTAC90
Socket 4E.675	PHW.MT.3KC.TFUP10	FFA.4E.675.CTAC90
Plug 4E.675	PHW.MT.3KC.TPUP10	PCA.4E.675.CTLC90
Socket 4A.675	PHW.MT.3KC.TFVP10	FXB.4A.675.CTCC85
Plug 4A.675	PHW.MT.3KC.TPVP10	PXA.4A.675.CTRC85
Socket REDEL F	PHW.MT.3KC.TFWP10	FAZ.T7.5FT.CC86C
Socket 3T.675	PHW.MT.3KC.TFTP10	FFA.3T.675.CTAY92S

LEMO triax connector on the CCU	Part number of the MEERKAT™ (B) on the CCU side	Electrical triax connector on cable
Plug 4M.650	FGW.MT.3KC.TPRP10	PHG.4M.650.CTAC90
Socket 4M.650	FGW.MT.3KC.TFRP10	FGG.4M.650.CTLC90
Plug 4E.675	FGW.MT.3KC.TPUP10	PCA.4E.675.CTLC90
Socket 4E.675	FGW.MT.3KC.TFUP10	FFA.4E.675.CTAC90
Plug 4A.675	FGW.MT.3KC.TPVP10	PXA.4A.675.CTRC85
Socket 4A.675	FGW.MT.3KC.TFVP10	FXB.4A.675.CTCC85
Plug REDEL F	FGW.MT.3KC.TPWP10	FRZ.T7.5FT.MC86C
Plug 3T.675	FGW.MT.3KC.TPTP10	PCA.3T.675.CTLY92S

Every triax-to-fibre Media Converter comes with power supply (110V/220V) adapter.

Applications

- Golf, skiing, auto racing, olympic games
- Pre-fibred venues
- Stadiums, racing tracks

Advantages

- Plug & play solution
- Lightweight and portable, compact
- No need for bulky / heavy triax cables
- High quality signal transmitted over fibre
- LED functionality display

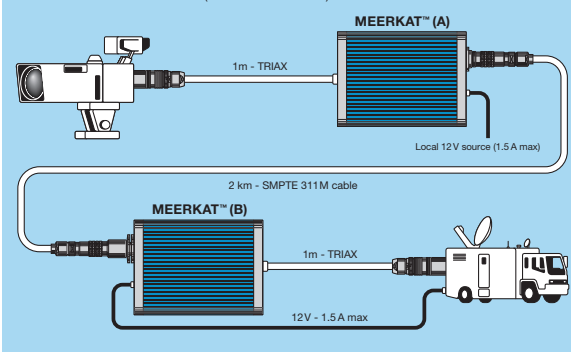
Features

- CE certified
- Immune to EMI
- NTSC & PAL
- Digital encoding and transmission
- Portable device
- No repeaters needed

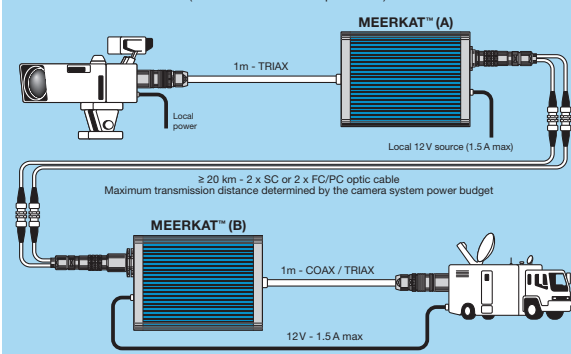
Accessories

- Tripod clips
- Battery belt
- 3K.93C assembled cable
- 3K.93C – SC or FC/PC adapter cable
- Option in-line power supply

Remote Camera Power (SMPTE 311M cable)



Local Camera Power (2 x SC or 2 x FC/PC optic cable)



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