

the **dependable way** to extend  
bi-directional AV signals.

# MEDIA LINK™

## 500 series audio/video extender

- fully featured broadcast quality
- single RJ45 connection
- fully equalised to 350m of CAT5 cable
- maximum distance typically 1km
- PAL/NTSC/SECAM compatible
- balanced or unbalanced audio
- component video version available
- simple installation



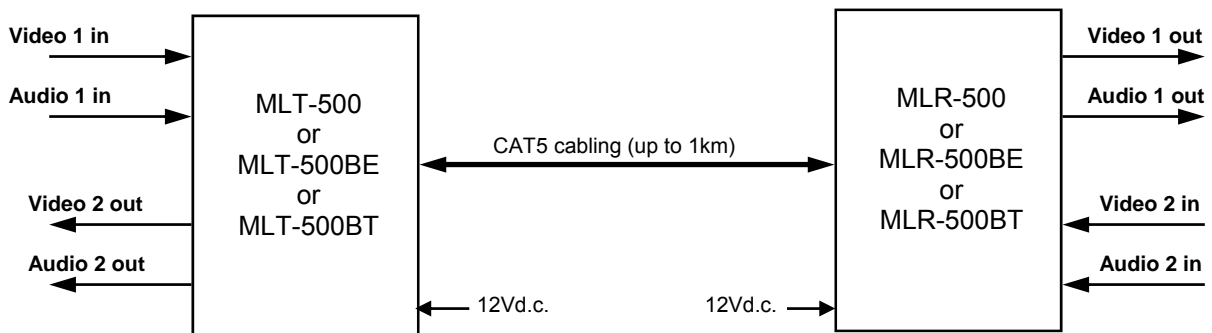
MLR-500 & MLT-500



MLR-500BE & MLT-500BE

**applications include: -**

- broadcast production
- video conferencing
- video assist
- CCTV/surveillance
- remote cameras
- remote sites

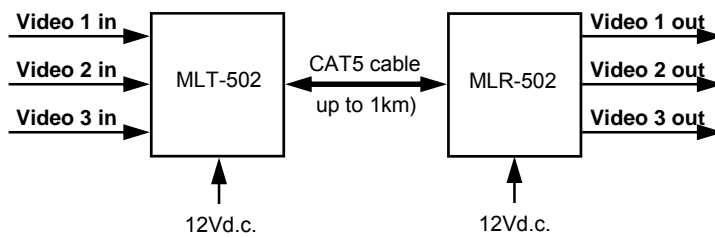


## dependable CAT5 connectivity for bi-directional AV signals

- 3 independent video links
- uses a single CAT5 cable
- fully equalised to 350m
- remote powering up to 100m



MLR-502 & MLT-502



### MEDIA LINK™ 500 series selection

	composite video	component video	unbalanced audio	balanced audio	bi-directional	remote powering
MLT/MLR-500	*		*		*	
MLT/MLR-500BT	*			* (transformer)	*	
MLT/MLR-500BE	*			* (electronic)	*	
MLT/MLR-502		*				*

### MEDIA LINK™ 500 technical summary

parameter	MEDIA LINK™ 500 product variant			
	MLT/MLR-500	MLT/MLR-500BE	MLT/MLR-500BT	MLT/MLR-502
video frequency response	5.5MHz ±0.5dB (up to 350m cat.5)	5.5MHz ±0.5dB (up to 350m cat.5)	5.5MHz ±0.5dB (up to 350m cat.5)	5.5MHz ±0.5dB (up to 350m cat.5)
audio bandwidth	10Hz - 100KHz -3dB (up to 350m cat.5)	10Hz - 100KHz -3dB (up to 350m cat.5)	30Hz - 35KHz -3dB (up to 350m cat.5)	no audio
max. transmission distance	bi-directional: 500m (nominal) one-way: 1.6km (nominal) (colour fidelity dependant on displays performance)			(using cat.5 cable)
video SNR	>58dB (luminance weighting), >69dB (PAL System 1 colour weighting filter)			
audio SNR:	80dB (typ) (up to 350m cat.5)	80dB (typ) (up to 350m cat.5)	80dB (typ) (up to 350m cat.5)	no audio
differential gain	0.2% @ 4.43MHz	0.2% @ 4.43MHz	0.2% @ 4.43MHz	0.2% @ 4.43MHz
differential phase	0.4° @ 4.43MHz	0.4° @ 4.43MHz	0.4° @ 4.43MHz	0.4° @ 4.43MHz
audio input/output impedance	10KΩ/100Ω	10KΩ/100Ω	2K4Ω/600Ω	no audio
video input/output impedance	75Ω/75Ω	75Ω/75Ω	75Ω/75Ω	75Ω/75Ω
video/audio connectivity	BNC/phono(RCA)	BNC/XLR	BNC/XLR	BNC/no audio
power	12-16V dc, 140mA nominal, 2.5mm circular connector (centre positive)			as MLT/MLR500 but 125mA nom.
dimensions (width/height/length)	80mm/30mm/175mm	80mm/60mm/175mm	80mm/60mm/175mm	80mm/30mm/175mm
weight	230g	320g	430g	230g
operating temp / humidity	0-45°C / max 90% non-condensing			