



## Video Line Transmitter / Receiver TP-1xl/TP-2xl

The Kramer TP-1xl transmitter works in conjunction with the TP-2xl receiver as a high performance set designed to transmit composite video signals over long distances using common Twisted-pair cable. Using good quality cable, the system can maintain the bandwidth of an industrial color video signal up to 1200 meters, and broadcast quality (up to 12 MHz) for as much as 300 meters. At shorter distances, bandwidth of 30 MHz is

easily achieved. The TP-1xl provides gain and high frequency compensation controls to optimize levels in extremely long runs. Kramer Twisted-pair adapters are an excellent way to solve remote monitoring requirements without using more costly fiber or wireless transmission systems. The RK-50RN rack adaptor kit mounts two units in one vertical space of a standard 19" rack.



TWISTED-PAIR INTERFACES 01

### TECHNICAL SPECIFICATIONS

|                  | TP-1xl  | TP-2xl  |
|------------------|---|---|
| INPUTS           | 1 composite video, 1Vpp / 75 on a BNC type connector. | 4P detachable terminal block.                         |
| OUTPUTS          | 4P detachable terminal block.                         | 1 composite video, 1Vpp / 75 on a BNC type connector. |
| VIDEO BANDWIDTH: | 13 MHz. -3 dB at 300 meters.                          |   |
| VIDEO S/N RATIO: | >73 dB (@ 20 meters).                                 |   |
| DIFF. GAIN:      | 2 % (@ 20 meters).                                    |   |
| DIFF. PHASE:     | 0.9 Deg (@ 20 meters).                                |   |
| SYSTEM DELAY:    | <1 microsecond TYP. at 100 meters.                    |   |
| CONTROL:         | Gain: -3 to +4.4 dB; EQ.: -16 to +9.9 dB @ 4.4 MHz.   |   |
| POWER SOURCE:    | 230 VAC, 50/60 Hz., (115VAC, U.S.A.) 4 VA each.       |   |
| DIMENSIONS:      | 16.5cm x 12cm x 4.5cm (6.5" x 4.7" x 1.7"), W, D, H.  |   |
| WEIGHT:          | 0.7 kg. (1.6 lbs.) approx.                            |   |
| ACCESSORIES:     | Power cord (each).                                    |   |
| OPTIONS:         | 19" rack adapter RK-50RN (see page 6.23 for details). |   |

### TYPICAL APPLICATIONS

- ☐ Simplification of security and CCTV installations.
- ☐ Teleconferencing in offices and hospitals using existing intercom or telephone wiring.
- ☐ Simple and quick studio wiring.