



Quad Video Line Transmitter 703xl

The Kramer 703xl transmitter works in conjunction with the 706xl receiver as a high performance set, designed to transmit composite video signals over long distances using common twisted pair cable. The 703xl transmitter has 4 independent TP outputs derived from 4 looped-through video inputs. Each output can be adjusted individually for Gain and Cable EQ. The 706xl receiver allows for branching - as it has a loop-through input with a termination switch. Using good quality cable, the system can maintain the bandwidth of an industrial color video signal up to 1000 meters (3280 feet), and a broadcast quality signal (as high as 12 MHz) up to 300 meters (985feet). At shorter distances, a bandwidth of 30 MHz

is easily achieved. Kramer twisted pair adapters are an excellent way to solve remote monitoring requirements without using more costly fiber or wireless transmission systems. The recommended wiring is UTP - unshielded twisted pair. The 703xl is housed in a half-19" enclosure, and can be rack mounted using the RK-80 rack adapter which can accommodate two machines in a 1U, 19" rack space. It is fed by a 12VDC power supply, and therefore is appropriate for fieldwork as well.



5 TWISTED-PAIR INTERFACES

TECHNICAL SPECIFICATIONS

| | |
|---------------------|--|
| INPUTS: | 4 composite video 1Vpp/75 on BNC connectors; 4 Loop 1Vpp/75 on BNC connectors. |
| OUTPUTS: | 4 terminal block connectors. |
| BANDWIDTH (-3dB): | (Industrial color video signal) at a distance of 1000 meters (3289 ft)Up to 12 MHz -3dB (broadcast quality signal) at a distance of 300 meters (986 ft)53 MHz -3dB at a distance of 100 meters (328 ft). |
| DIFF. GAIN (Pair): | 0.08%. |
| DIFF. PHASE (Pair): | 0.07 Deg. |
| K-FACTOR (Pair): | 3.1%. |
| S/N RATIO (Pair): | 57dB. |
| GAIN (EQ.): | 0 to 3.5dB @ 5MHz. |
| COUPLING: | DC. |
| POWER SOURCE: | 12 VDC, 200mA. |
| DIMENSIONS: | 22cm x 18cm x 4.5 cm (8.7" x 7" x 1.7") W, D, H (half 19", 1U). |
| WEIGHT: | 1.2 kg. (2.65 lbs.) approx. |
| ACCESSORIES: | Power supply, mounting bracket. |
| OPTIONS: | 19" rack adapter RK-80 (see page 6.33 for details). |

TYPICAL APPLICATIONS

- Simple and quick studio wiring.
- Presentation and other wall-plate mounted systems.
- Simplification of security and CCTV installations.