



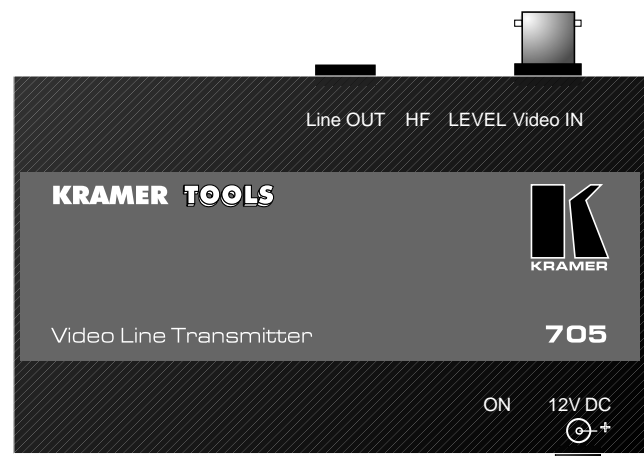
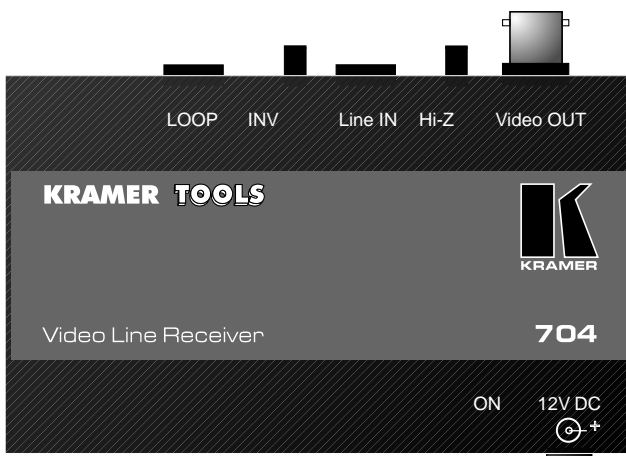
## GROUP 9

# Video Line Transmitter/Receiver 705/704

The KRAMER **705** *Video Line Transmitter* and the **704** *Video Line Receiver*, part of the KRAMER TOOLS family, are used as a pair for transmitting video over long distances using twisted pair wire. A termination switch allows several **704** receivers to be looped-through on the same line (one transmitter -multiple receivers.) The frequency response of the pair is well over 6.7 MHz, even at 400 meters. At shorter distances, they provide close to broadcast level performance. The machines offer user controlled Gain and HF compensation.

### Some features and applications:

- ❖ Simplification of security and CCTV installations.
- ❖ Operate from external DC power sources, and can transfer power to another unit via a 4-wire telephone cord.
- ❖ Teleconferencing in offices and hospitals using existing intercom or telephone wiring.



### Technical Specifications:

<b>INPUTS:</b>	<b>705:</b> 1 Composite Video, 1Vpp / 75 $\Omega$ . <b>704:</b> looping balanced 150 $\Omega$ on 6/4 standard telephone sockets, with termination switch and polarity inversion switch.
<b>OUTPUTS:</b>	<b>705:</b> 1 Balanced, 150 $\Omega$ on 6/4 standard telephone socket. <b>704:</b> 1 Composite Video, 1Vpp/75 $\Omega$ unbalanced on a BNC connector.
<b>BANDWIDTH:</b>	50 MHz. -3dB at 30 meters, 6.3 MHz -3dB at 400 meters.
<b>NON-LINEARITY:</b>	Less than 0.2% at 100 meters.
<b>DIFF. GAIN (PAIR):</b>	0.43%.
<b>DIFF. PHASE (PAIR):</b>	0.32 Deg.
<b>S/N RATIO:</b>	74 dB.
<b>K-FACTOR (@ 400m):</b>	1.6 %.
<b>COMPENSATION:</b>	Gain and HF above 2.5MHz +/- 9dB.
<b>SYSTEM DELAY:</b>	1 microsecond TYP. at 100 meters.
<b>DIMENSIONS:</b>	12cm X 7.5cm X 2.5cm (W, D, H.)
<b>POWER SOURCE:</b>	12 VDC 40mA each <b>705</b> and <b>704</b> .