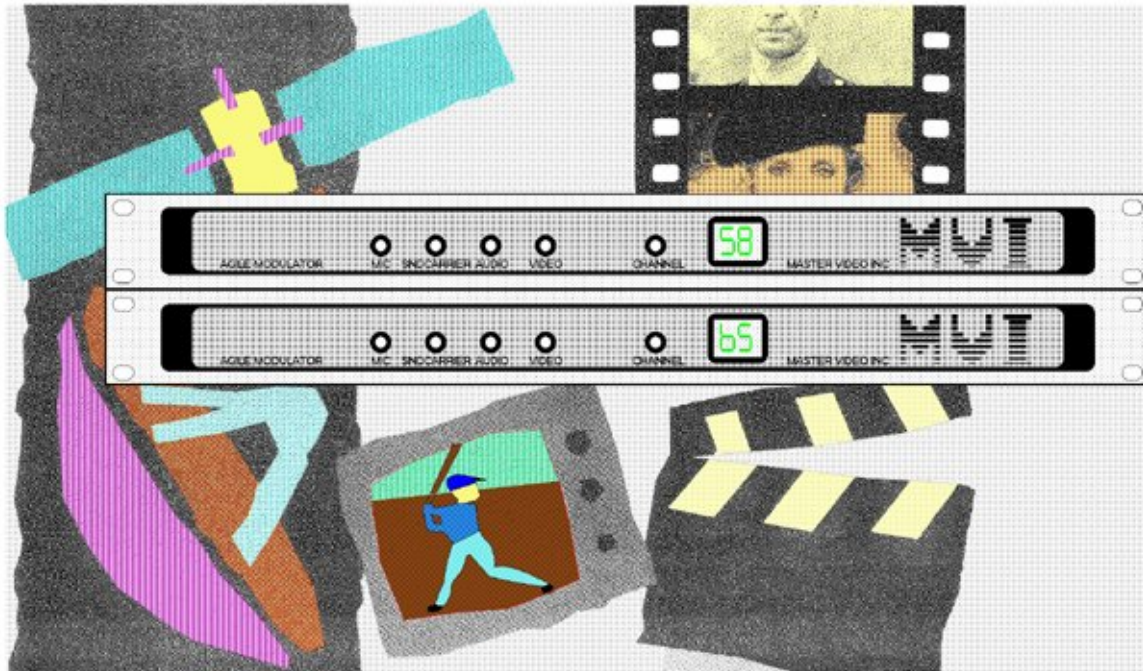


AGILE MODULATOR

MM4650



Technology at your fingertips

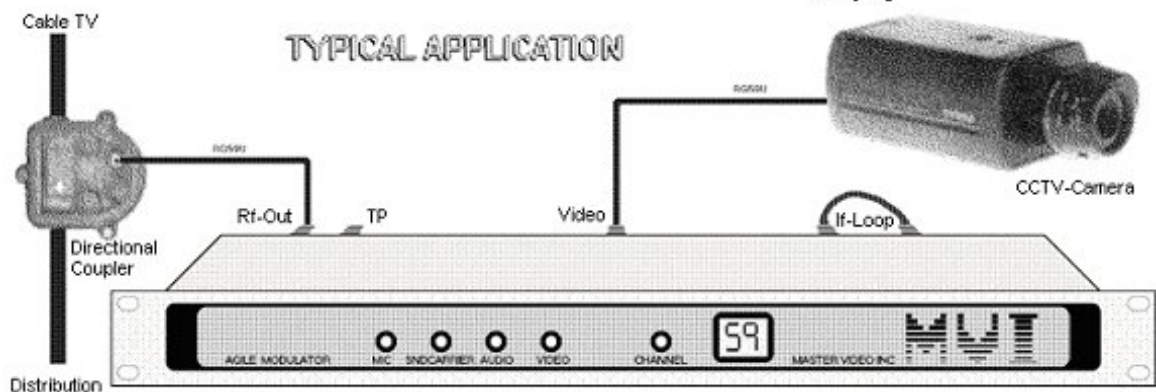
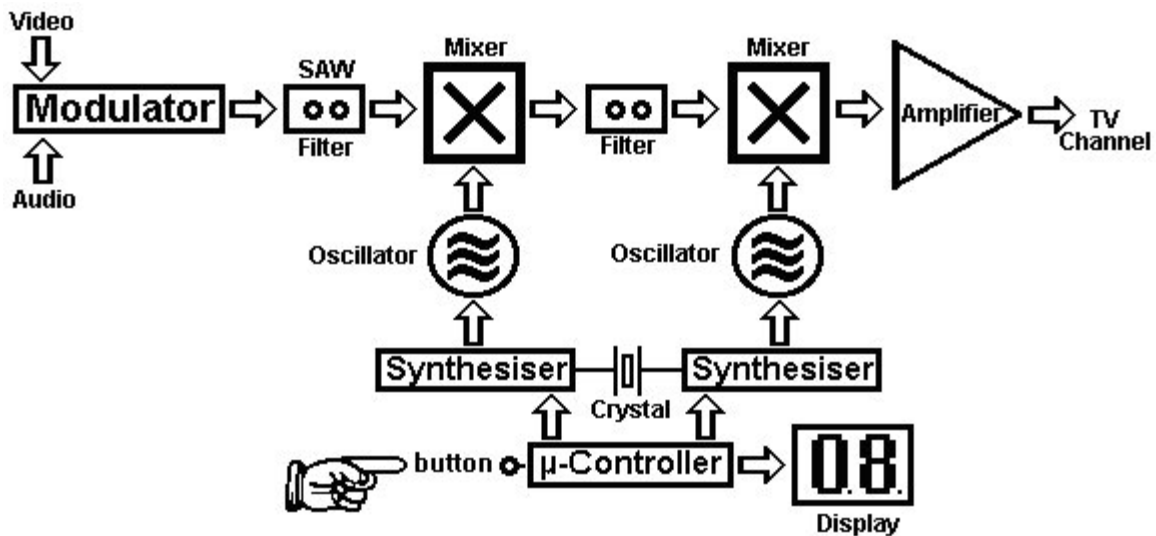
The MM 4650 series are adjacent channel modulators specially designed for security and other in-house closed circuit applications in apartment buildings.

The units are designed to supply the upper channels which are allocated to apartment buildings on CATV-systems. Performance is superior with low spurious and broad band noise output, which allows signals to be interfaced without the use of external filters. Channel selection is by convenient front panel button and last channel entry is stored in non-volatile memory. The synthesizer is micro-computer controlled for carrier accuracy and crystal referenced for carrier accuracy. Front panel controls set levels for video modulation, sound carrier and audio.

A special watchdog circuit makes sure that the microcomputer is working correctly and would reset itself automatically. The IF-loop allows easy placement of a scrambling interface. Agility allows maximum flexibility in altering system channel line-ups and instant replacement on a fixed channel system.

An RS-232 optional interface connection makes it possible to remotely change channels and read the status via computer. Baud rates are auto detected. This series is made in the TV-standards NTSC, PAL and SECAM. Application notes are available from Master Video Inc.

This all adds up to "Technology at your Fingertips".



SPECIFICATIONS:

TV-NORM	: NTSC, also available in PAL and Secam
FREQUENCY RANGE:	MM4650 : 300-650 MHz, CATV-Channels 37-94 & UHF 14-43 MM4800 : 470-800 MHz, CATV-Channels 59-126 & UHF 14-69
OUTPUT SIGNAL LEVEL	: +50 dB/mV adjustable
SPURIOUS OUTPUT	: -60 dB with Mixer Network
BROADBAND NOISE	: -75 dB with Mixer Network
FREQUENCY STABILITY	: +/- 1 KHz
VIDEO INPUT LEVEL	: .5V to 1.25 V, 75 Ohms unbalanced, Negative Sync.
DIFFERENTIAL PHASE	: 2 deg.
COMPOSITE IF-LOOP	: 25 dB/mV
AUDIO INPUT	: 0 dBm/600 Ohm [Adjustable], RCA - Connector
AUDIO DISTORTION	: 1 % at 25 KHz
OPTION RS-232 INTERFACE	: DB-9 connector
BAUD RATE	: 300 to 9600 auto detect 7 + 8 bits, 1 or 2 stop bits
POWER	: 117 V (220 V) / 13 W - Loop through receptacle
ENCLOSURE	: 1.75 in. x 19 in. rack mount. [specs. subject to change]

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