

VISTA SYSTEMS

TYPE 110 8 LEVEL VIDEO MULTIKEYER



- EIGHT INSERT SOURCE CAPACITY
- ANY VIDEO OR AUDIO WAVE KEY SOURCE
- COMPLEX SPECIAL EFFECTS PRODUCTION
- USE ALONE OR INTEGRATED
- FULLY ADJUSTABLE KEYING THRESHOLDS

TYPE 110 8 LEVEL VIDEO MULTIKEYER

The Vista Systems TYPE 110 MULTIKEYER is an eight-level video keyer with fully adjustable keying thresholds. The key source may be any video or audio waveform, with keying occurring on variations in key-source scene brightness or audio level. Up to eight independent insert sources may be used, including colorizers, other video or audio signals, and the key source signal. Striking graphics can be produced rapidly and inexpensively from simple monochrome sources.

Integrates easily with any television production system, or can be used as a stand-alone device with minimum ancillary equipment. Maximum versatility can be achieved in conjunction with a Vista Systems TYPE 310 QUAD COLORIZER and a Vista Systems TYPE 210 VIDEO MIXER.

SPECIFICATIONS:

- Key Source:** Any video or audio signal having a peak-to-peak amplitude greater than 0.1 volts and less than 1.5 volts into 75 ohms.
- Insert Sources:** Any video or audio signals having a peak-to-peak amplitude less than 1.5 volts.
- Insert Select Time:** Less than 50 nanoseconds.
- Insert Rise Time:** Less than 20 nanoseconds.
- Maximum Number of Independent Inserts:** Eight.
- Threshold Adjustment Resolution:** Infinite.
- Frequency Response of Insert Channels:** Within ± 0.5 dB from DC to 5 MHz.
- Insertion Loss:** Less than 1 dB.
- Nominal Output:** 1 volt peak-to-peak into 75 ohms.

ORDER: TYPE 110 8 LEVEL VIDEO MULTIKEYER \$3,500.00
 Option 01: Back Panel Input and Outputs N/C

For the name of your nearest Vista representative or distributor,

VISTA SYSTEMS

inc. 960 Industrial Ave. • Palo Alto, CA 94303 • (415) 321-5165



- VERSATILE EFFECTS MIXER
- FOUR VIDEO AMPLIFIERS,
FOUR CONTROLS
- UP TO 12 75 ohm SOURCES
- FRONT OR REAR CONNECTORS
- EASILY INTEGRATED WITH
VISTA UNITS

TYPE 210 QUAD VIDEO MIXER

The Vista Systems TYPE 210 QUAD VIDEO MIXER permits mixing video signals from as many as twelve 75 ohm sources. The TYPE 210 contains four separate video mixing amplifiers, each with four controllable inputs. The mixed signal is available on each of three 75 ohm outputs. The TYPE 210 can be configured with front or rear connectors for input and output video. The TYPE 210 is a versatile effects mixer, and very useful when used in conjunction with the Vista Systems TYPE 110 MULTIKEYER and TYPE 310 QUAD COLORIZER.

SPECIFICATIONS:

Electrical:

Video Inputs: Sixteen inputs, available on front (miniature jack) or rear (type BNC).

Video Input Level: P-P composite or non-composite video.

Video Input Controls: Sixteen front panel rotary, 0-100% mixing.

Video Outputs: Twelve outputs, available on front (miniature jack) or rear (BNC).

Video Output Level: P-P composite or non-composite video.

Video Input & Output Impedance: 75 ohms.

Power: 105-130 V, 65 watts, 60 Hz AC, 3 wire cord.

Dimensions: Occupies space 7¼" high by 9" deep in an EIA standard 19" rack. Weight 7 lbs.

ORDER: TYPE 210 QUAD VIDEO MIXER	\$3,100.00
Option 01: Rear Panel Inputs and Outputs	N/C
Option 02: Inputs and Drive Voltages for four Sony Porta-Pac Cameras	\$ 500.00

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- SIMPLE TO OPERATE
- FOUR INDEPENDENTLY CONTROLLED COLOR SIGNALS
- JOYSTICK CONTROL FOR HUE, SATURATION AND BRIGHTNESS
- BLANKED SUBCARRIER
- FCC-LEGAL AMPLITUDE AND STABILITY

TYPE 310 QUAD COLORIZER

The Vista Systems TYPE 310 QUAD COLORIZER provides four video color signals which may be independently controlled in respect to hue, saturation and brightness. Each colorizer is controlled through a joystick. When the joystick is centered, no color subcarrier is produced, resulting in black, gray, or white depending on rotation of the joystick knob which controls brightness. Movement of the joystick from the center produces color, with saturation proportional to displacement from center and hue dependent on the direction of the displacement. Thus all parameters of a color signal can simultaneously be varied smoothly and continuously with one hand.

The output from each colorizer is a blanked subcarrier meeting all broadcast requirements for amplitude and stability. Although the TYPE 310 can be used in any NTSC video system, it achieves maximum effect when combined with the Vista TYPE 110 EIGHT-LEVEL MULTIKEYER and TYPE 210 QUAD VIDEO MIXER.

SPECIFICATIONS:

Range of Subcarrier Phase: 0° through 360°, continuous.

Range of Subcarrier Amplitude: 0 volts through 1 volt peak-to-peak continuous.

Range of Brightness Level: Black through white, continuous.

Output, Each Colorizer: Standard EIA non-composite video levels into 75 ohms.

Subcarrier Input: From system subcarrier source at 2 volts peak-to-peak, 75 ohms.

Blanking Input: From system blanking source at 4 volts peak-to-peak, 75 ohms.

ORDER: TYPE 310 QUAD COLORIZER\$ 3,600.00
Option 01: Rear Panel Connectors N/C

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TYPE 411 TELEVISION COLOR SYNC GENERATOR

The Vista Systems TYPE 411 COLOR TELEVISION SYNC GENERATOR provides all synchronizing waveforms necessary for operation of broadcast or closed-circuit systems. By selecting the appropriate ordering options, the TYPE 411 can be obtained with one or two source terminated outputs per waveform, and with timing stability suitable for use in closed-circuit systems, or in systems requiring the stability specified in EIA-RS-170 and the Rules and Regulations of the Federal Communications Commission. Front-panel test jacks are also available as an option. The TYPE 411 includes fully regulated power supplies. Timing of all waveforms is determined by digital counters driven by one crystal-controlled reference oscillator.

- DIGITAL COUNTER TIMING
- INCLUDES FULLY REGULATED POWER SUPPLIES
- FOR BROADCAST AND CLOSED CIRCUIT SYSTEMS
- TWO SOURCE OUTPUTS OPTIONAL
- STABILITY PER FCC AND EIA-RS-170

SPECIFICATIONS:

Available Waveforms: Horizontal drive, vertical drive, composite sync, composite blanking, subcarrier, burst flag.

Pulse Timing Accuracy: As specified in EIA RS-170.

Subcarrier Frequency: Basic Instrument: 3.579545 MHz \pm 10 Hz.

Pulse Amplitudes: 4 volts within 0.2 volts into 75 ohms.

Subcarrier Amplitude: 2 volts within 0.2 volts into 75 ohms.

Pulse Rise Times: 100 ns within 20 ns.

Ambient Temperature: +20° to +130° F.

Dimensions: Occupies space 1-3/4" high by 9" deep in an EIA standard 19" rack. Weight 3 lbs.

AC Supply: 105 to 130 volts, 55 to 65 Hz, 5 watts.

Connectors: Type BNC on rear panel.

ORDER: TYPE 411 COLOR TELEVISION SYNC GENERATOR \$875.00
Option 01: Dual outputs, front panel test jacks \$ 75.00

For the name of your nearest Vista representative or distributor.

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