
FEATURES

- Generates 875 line Video in accordance with EIR RS-343A specifications.
- Two simultaneous video outputs provide two unique patterns.
- Operates on 105 to 250 VAC 50/60 Hz.



DESCRIPTION

The ITS Model 6113, Video Pattern Generator provides a composite 875 line video signal source designed for setup and performance test of Video Monitors, Video Recorders, and other video processing equipment. The unit is designed to provide configurations to meet special requirements. Two separate outputs are provided which operate simultaneously. Each output provides a unique test pattern.

The 6113 is housed in a 19" wide rack mountable enclosure by 8.5" deep by 3.5" high. It is powered by 105-250VAC 50/60Hz or optionally 10-36VDC (Model 6113A) at 5 watts. The weight is approximately 5.25 lbs.

Test Pattern A

Test Pattern A is output via Video Out 1. The pattern consists of two, ten level gray scales, at the left and right of center. Additionally the pattern has four vertical "Focus" lines at the center, a border and a single horizontal line at the center. The displayed pattern shown is shown on page 2

Test Pattern B

Test Pattern B is output via Video Out 2. The pattern is a ten level gray scale made up of horizontal bars and occupying a window centered in the video frame. The height of the window is 60 percent of the frame and the width is 30 percent of the frame. The gray scale range is black to full white with the brightest bar at the bottom. The displayed pattern is shown on page two.

The 6113-2 is housed in a 19 inch rack mountable aluminum enclosure 8.5 inches deep by 3.5 inches high. Weight is approximately 5.25 lbs

MODEL 6113-2

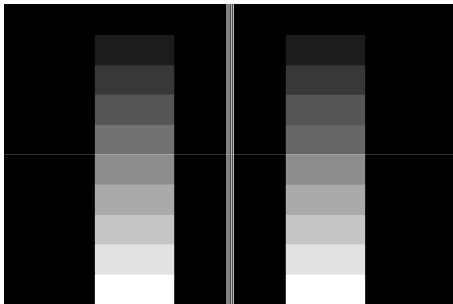
VIDEO PATTERN GENERATOR

SPECIFICATIONS

Video Characteristics 875 line composite video in accordance with EIA RS-343A. Interlaced 2:1, 4:3 Aspect ratio. 1 volt p-p, black negative. Output as specified when terminated in 75 ohm load.

Composite Sync. 875 line in accordance with EIA RS-343A. Specific timing is as follows:

Horiz Freq:	26246.7 Hz	Vert Freq:	59.9925 Hz
Horiz Sync Period:	38.100 microseconds	Vert Sync Period:	16.6688 microseconds
Horiz Front Porch:	1.000 microseconds	Vert Front Porch:	3 Horizontal lines
Horiz Sync Pulse:	2.750 microseconds	Vert Sync Pulse:	3 Horizontal lines
Horiz Back Porch:	3.250 microseconds	Vert Back Porch:	26 Horizontal lines
Horiz Blanking:	7.000 microseconds	Vert Pixel:	1 Horizontal field line (two frame lines)
Horiz Pixel:	0.05 microsecond		



Pattern A



Pattern B

Composite Sync Levels

Voltage Range:	High = 4.0 ± 0.5 Volts. Low = $0.0V \pm .5V$. (Low true) Output as specified when terminated in 75 ohm load.
Output Impedance:	75 ohms
DC Reference level:	Signal Ground ± 0.1 Volts
Rise Time:	114 nsec Maximum.

Power: 105-250 VAC, 50/60 Hz. 5 watts.

Environmental

Temperature	0°C to 50°C operating, -20 to 70°C storage
Humidity	0 to 90% non-condensing, operating
EMI	Designed to meet FCC part 15 Class A standard.

Enclosure

Size:	2U 19 inch rack mountable aluminum enclosure 8.5 inches deep by 3.5 inches high.
Weight:	5 lbs.