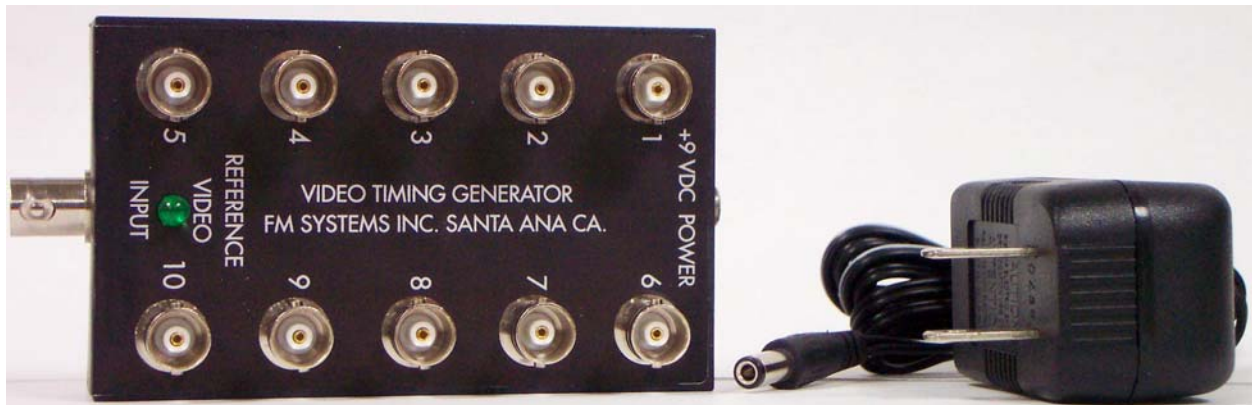


VTG



VIDEO TIMING GENERATOR

The VTG Video Timing Generator provides up to ten video sync signals with which to synchronize CCTV cameras in the field. The VTG is used with the VTM Video Timing Meter to establish accurate timing of multiple CCTV cameras. It can also be used to distribute a camera timing signal on dual coax cable installations. A designated "Master Camera" is connected to the input of the VTG at the monitor Hub Site. Up to ten coaxial cables leading to the other cameras are then connected to the VTG output connectors. At this point a video sync pulse, locked to the Master Camera, is being sent on the coax to each camera. The VTM meter is then taken to each camera and the signal on the coax is compared to the camera output. The VTM then measures the timing error of that camera and the camera is adjusted to reduce that error to zero. The VTM is then taken to each camera in turn and set to zero. The cameras are connected to their coax cables and the VTG removed. The cameras are now all perfectly synchronized so that they may be switched without "rolling" the picture. Occasional routine tests, using only the VTM to compare camera synchronization at the Hub can be used to verify that synchronization has not been lost due to Electricians changing power phases at the Power Panel.

VTG

VIDEO TIMING GENERATOR

INPUT

Number of inputs
Type of Sync.
Standard
Level

SPECIFICATION

1 (From Master Camera)
Color or Black & White
NTSC or PAL
0.3 to 1.5 Vp-p

PROCESSING

Extracts sync from TV signal and delivers sync only at standard level to outputs.

OUTPUT

Number of outputs
Type of Sync
Standard
Level

10
Same as Master Camera
Same as Master Camera
40 IRE units

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