

## MODEL 300 STEREOSCOPIC MULTIPLEXER

The Model 300 StereoMultiplexer will interlace(multiplex) video from any two composite or component(YC, Hi 8, SVHS, RGB, YRB) NTSC or PAL sources to the field sequential RLRL format. Unlike the Model 100 or Model 200 multiplexer, the cameras do not have to be genlocked. RGB or CAV(M2,Betacam etc.) cameras will require a transcoder.

The Model 300 may give an improved image when either subject or cameras are moving rapidly due to the fact that the fields will be captured an average of 1/90<sup>th</sup> second apart. With use of genlocked cameras and Model 100 or 200 the interval is always 1/60<sup>th</sup> second.

For good results, it is critical that all parameters of both cameras match precisely, including exposure values. Signal levels of the two cameras should be closely matched. Even if irises are set alike and cameras match to the eye, there may be significant differences in video level. Autoirises are slow and can cause problems when cameras or subject are moving or illumination is varying rapidly. The new "on chip" electronic iris cameras are recommended.

Power is 12V DC . PCB is shock mounted on rubber grommets. Unit has been marketed since 1990 and has been sold to various agencies of the U.S. government.

### Notes for the Model 300 StereoMultiplexer

To use two non-Genlocked composite cameras:

- Camera 1 output into a distribution amp.
- One distribution amp output line to the Model 300 StereoMultiplexer Genlock connection.
- The other distribution amp output line to the Model 200 StereoMultiplexer video input 2.
- Camera 2 output to the Model 300 StereoMultiplexer Composite 1 input.
- Take the Model 300 StereoMultiplexer video output and connect it to the Model 200 video input 1.

If you are using Genlocked cameras, then the Model 300 is not necessary, and the outputs from those cameras will plug directly into the Model 200 StereoMultiplexer Input 1 and Input 2.

To use two non-Genlocked YC (SVHS or HI8) cameras:

- The unit will automatically detect a YC or composite in.
- Using both a composite and a YC in, the unit will pick the composite in.
- Camera 1 composite output to the Model 300 StereoMultiplexer Genlock input,
- Connect the camera YC output, using a YC-BNC breakout cable, to the Breakout Box Y and C inputs. (or on the back of the Model 200 StereoMultiplexer DB25 connections using your own cable).
- Camera 2 will then be connected to the Model 300 YC input. --Model 300 YC output to the Breakout Box Y and C inputs (or on the back of the Model 200 StereoMultiplexer DB25 using your own cable). This eliminates the need for a YC distribution amp.

Model 300 StereoMultiplexer is powered by either 110V or 220V AC.

# Model 300 Stereo Multiplexer System includes the Model 200 Stereo Multiplexer

