

MODEL VS-31 VIDEO RASTER SCANNING SYSTEM

SPECIFICATIONS

Optical Wavelength*	514.5 nm
Input Laser Beam Diameter**	0.8 mm - 1.5 mm
Optical Thruput Efficiency	25 percent
Projection Distance	0.1 meter to infinity
Electronic Input Signal	RS-170 (composite video)
Input Options	a) external video b) external sync c) external blanking
Input Impedance	75 ohms
Line Power	115/230 Vac, 50-60 Hz
Raster Aspect Ratio	4:3
Fields per second	60
Frames per second	30
Interlace Ratio	2:1
Modulator Type	Acousto-Optic
Video Modulation Capability	10 MHz
Horizontal Deflector Type	Acousto-Optic
Horizontal Resolution	500 spots
Horizontal Scan Rate	15.75 KHz
Horizontal Scan Linearity	± 0.5 percent
Horizontal Scan Direction	a) left to right b) right to left
Vertical Deflector Type	Galvanometer
Vertical Resolution	500 lines
Vertical Scan Rate	60 Hz
Vertical Scan Linearity	± 0.5 percent
Vertical Scan Direction	a) top to bottom b) bottom to top
Optical Scanner Size	7.9"W x 6.4"H x 23"L
Electronics Size	7" high rack mount

* Other wavelength operation available upon request.

**Input laser beam diameter & power to be specified upon order.