

SS2803 Scanning System

Summary

SS2803 is an enhanced version from SS2804. It is specially designed for low-cost laser projector powered by preinstalled control board. The galvo structure of SS2803 is based on our proprietary technology which makes the cost of galvo lower



SS2803 is a smart choice if you design a laser projector with a preprogrammed control board inside. It can be tuned up to 25Kpp@+/-15° on ILDA 30K test pattern and can do “beam show” as well as “graphic show”. SS2803 can display a better details of graphics , such as letters at small scan angle than that of SS2804.

Technical Information

- **Max Scan angle:** ±30°optical (factory calibration @±20°)
- **Mirror Size:** 6mm*11mm*0.7mm, (5mm*10mm*0.7mm for higher speed)
- **Mirror coating:** High quality dielectric film,
- **Reflectivity:** >98% @45°incidence (400nm-700nm)
- **Dimension of Galvo:** 12mm (diameter for fixture) x 42mm (length without mirror)
- **Power requirements:** ±15VDC @1A each
- **Input Voltage:** ±5VDC differential
- **Dimensions of Amp:** 75mm*40mm*35mm

Scan Speed

Scan angle	Operating voltage	Speed @ Mirror size	Speed @ Mirror size	Test Pattern
±30°Opt	±15 VDC	18Kpps @ 6*11*0.7	19Kpps @ 5*10*0.7	ILDA 30K
±20°Opt	±15 VDC	22Kpps @ 6*11*0.7	23Kpps @ 5*10*0.7	ILDA 30K
±15°Opt	±15 VDC	25Kpps @ 6*11*0.7	27Kpps @ 5*10*0.7	ILDA 30K
±8°Opt	±15 VDC	31Kpps @ 6*11*0.7	32Kpps @ 5*10*0.7	ILDA 30K
±5°Opt	±15 VDC	34Kpps @ 6*11*0.7	35Kpps @ 5*10*0.7	ILDA 30K

Contents of Shipping Package

- (1) 2 x 2804 Scanner (Galvo) with mirror
- (2) 2 x Scan V2.5G servo driver (Amp)
- (3) 1 x (X-Y) scanner mount
- (4) 1 x ±15 VDC switched power supply
- (5) 2 x Shield cable for scanner