



Commander SX

Compact Rear Projection Display

PRODUCT SPECIFICATIONS

Optical

Image Size	25mm to 100mm (diagonal)
Geometric Distortion	0.1 MAX
Brightness (MAX)	9000 fL
Chromaticity (X)	.195 REF
Chromaticity (Y)	.697 REF

Microdisplay

Display Technology	FLCOS (REFLECTIVE)
Resolution	SXGA 1280 x 1024
Pixel Format	13.62 micron square pixels, 96% fill-factor
Color Depth	8 bit Green Std (24-bit color available)

Video

Video Input Format	SXGA 1280 x 1024 @ 60 Hz
Latency	< 16.7 ms
Video Image Quality	No visible artifacts, noise or abnormalities

Environment

Operating Temperature Range	-30 TO 50°C
Storage Temperature Range	-45 TO 55°C
Shock	50g, 6ms, 1/2 sine pulse, 6 per axis
Random Vibration (30 Minutes Per Axis)	0.01G2/Hz, 10 Hz - 2000 Hz (4.46g RMS, 30 minutes each axis)

NVIS, inc., the industry leader in high-fidelity near-to-eye immersive display systems, introduces the Commander line of embedded displays designed to emulate and replace a wide range of cathode ray tube (CRT) displays used across the military in both live and virtual vehicle environments.

The Commander output characteristics accurately replicate those of monochrome and color CRTs, while providing superior reliability and reduced cost of ownership. The Commander can be scaled to accommodate a large variety of image sizes up to 75 mm diagonal, making it a cost-effective form-fit-function replacement for many fielded programs using dated and obsolete CRT technology.

The Commander display engine utilizes a proprietary display module that can be adapted to accommodate custom screen sizes for unique requirements. Contact us for more information to learn how we can help.

