

RFPD Series

Rugged LCD Flat Panels

Rugged Enclosure
Light Weight, Weather-Resistant Design
Reinforced Front Glass
MIL Qualified



Sizes from 5.6" and up
NTSC, PAL and VGA Inputs
Intuitive User Interface
LED Backlighting



Rugged Flat Panels by Sekai
"Need to see? Get an RFPD!"



General Description

The RFPD Series of Ruggedized Flat Panel Displays are video monitors designed for use in harsh environments, ranging from construction and mining vehicles to military armored ground and airborne vehicles. The displays are designed and manufactured to achieve full MIL qualifications.

Each model provides an LCD with a proprietary, bonded anti-reflective glass panel for increased ruggedness, viewing angle and illumination. An eight-button control panel provides for the simple control of all display functions and on-screen menus. Proprietary solid-state LED backlighting achieves a typical 600 NITS of illumination, eliminating the use of CFLs containing hazardous materials. The display's modular design allows for each customer to configure their display to meet their requirements. Available options include (but are not limited to):

Available Options

- Hi-Bright sunlight readability (>2000 NITS)
- NVIS backlighting and control panel illumination
- Kick-proof qualified front panel glass
- EMI qualified shielded front panel glass
- EMI qualified power supply and filtering
- Multiple video input selection
- Multiple video source display (MUX, PiP)
- HD video input and display formats, custom video formats (e.g. RS-343)
- 12VDC, 110-240VAC, and customer specified power inputs
- Heater for lower than -35°C storage and operating temperatures
- Black-out input switch (turns off all LCD and control panel illumination)
- Touch screen and remote controls
- Custom housing designs

Standard Features

- Display type: TFT Active Matrix LCD
- Resolution: XGA (SXGA in larger sizes)
- Luminance: 600 NITS (typical)
- Contrast ratio: 600:1 (typical)
- Viewing angle (H): 60° (Left, Right) >10:1
- Viewing angle (V): 45° (Up), 60° (Down) >10:1
- Controls: On-screen menus, buttons
- Power requirements: 28VDC
- Weight: As low as 3.0~ lbs (5.6" ver.)
- Storage Temp: -35°C to +55°C
- Operational Temp: -20°C to +55°C

Environmental and EMI Specifications available upon request.