General Digital Monitors vs Commercial Monitors

	Saber Standalone	Saber Standalone Solar	Commercial
LCD			
Grade	Industrial[1]	Industrial[1]	Commercial
Availability	Up to 5 years	Up to 5 years	1-2 year (typical)
Optical Bonding	Yes, in-house; Improved contrast, minimal internal reflection, improves sunlight readability	Yes, in-house; Improved contrast, minimal internal reflection, improves sunlight readability	Not typically; Display washes out in high ambient lighting
TOUCH SCREEN			
Integrated	Yes	Yes	Available
Single Touch Capacitive	Yes	Yes	Yes
Multi-Touch Projected Capacitive Touch Sensor	Optional	Optional	Not typically
Optically Bonded Touch Sensor	Yes, in-house; Improved contrast/sunlight readability	Yes, in-house; Improved contrast/sunlight readability	Not typically; Display washes out in high ambient lighting
Choice of Multiple Touch Sensor Technologies	Yes; Configurable	Yes; Configurable	Not typically; Default configuration
Choice of type of AR/AG Coating	Multiple choices of suppliers and coatings[2]	Multiple choices of suppliers and coatings[2]	Typically available in default technology/coating
Controller Types/Cable Lengths	Serial: Long distance (50ft) USB: Short distance (5m)	Serial: Long distance (50ft) USB: Short distance (5m)	USB only (typically)
ENCLOSURE/INTEGRATION			
Enclosure	Aluminum; Highly customizable	Aluminum; Highly customizable	Plastic; No customization
Speakers	Yes; Programmable max, min and volume steps	Yes; Programmable max, min and volume steps	Sometimes
Panel Mount Adaptor	Yes	Yes	No
Backlit Control Keys	Yes; 11 brightness programmable buttons	Yes; 11 brightness programmable buttons	Sometimes; Number of buttons typically much less
Programmable "Safety" Cooling System	Not required	Optional	Information unavailable
MTBF[3]	>13,000 hrs./ >23,000 hrs.	>19,700 hrs./ >23,600 hrs.	Information unavailable
Video Controller Updates	Firmware upgradeable in the field	Firmware upgradeable in the field	Not typically
Video Controller/OSD Programming	Customizable, change defaults, speed up switch time between video sources, adapt to custom timings, etc	Customizable, change defaults, speed up switch time between video sources, adapt to custom timings, etc	Not typically
POWER SUPPLY			
FAA-G-2100-H Compliant	Yes; Current limiting PCB	Yes; Current limiting PCB	Not typically
CONFIGURATION CONTROL			
Support Like or Equivalent	Yes	Yes	Not typically
EOL/LTB Policy	Yes	Yes	Not typically

[1] Industrial-grade displays are typically manufactured and supported for longer periods than their commercial counterparts, which are designed primarily for high volume, low cost objectives. Industrial-grade panels typically support an end-of-life announcement and last-time buy opportunity to their consumer base. Industrial-grade panels typically incorporate additional features and performance enhancements, such as extended operating temperature, wider viewing angle, higher resistance to shock and vibration, tighter configuration control and revision management, etc.

[2] General Digital supplies NIDS program with custom antiglare coating and incoming inspection, based on selection made by FAA committee under indoor and outdoor ambient light conditions. General Digital can integrate multiple touch sensor technologies, sensors, controllers and optical coatings/treatments.

[3] LEDs do not catastrophically fail, they degrade over time. Therefore, two MTBF values have been provided. The first is including the half brightness life of the LED in the formula; the second value excludes the LED half brightness life value.