

LED type-Military Grade 19" Rugged LCD Monitor

Dizen Systems is model DRD19S display features a harsh-duty type 19" SXGA (1,280 x 1,024) resolution LCD and protection to IP65 standards IP rating which are designed to be placed in a variety of harsh environments requiring protection at the frontal bezel from the intrusion of dust, rain, splashing water or ice formation as well as reliable defenses against excessive shock, vibration and EMI/EMC interference.

With proven advanced optical display technology and rugged design engineering, Dizen Systems is innovative display concepts make the DRD19S the most trusted mission-critical displays for today's rugged vehicles, airborne applications, and ship board consoles.



Requirement for MIL-STD Approved

IP65 sealed

The front is sealed to IP65 rating for water and dust resistance.

Advanced Deep Dimming 1,000:1

Dizen Systems has developed a deep dimming solution for the Marine range which provides smooth consistent dimming to 1,000:1(dim to dark to full brightness).

Optional Touchscreen Integration

Dizen Systems can offer a variety of touchscreen solutions for the military range with either serial or USB interface.

Certified & Approved

The military range is designed to comply with MIL-STD 810F and MIL-STD 461F. In the case of the 17" to 24" monitors some are already certified and approved to these standards.

Array of mounting options

Mounting options include head, chassis, desktop, Vehicle, panel mount and rack mounted displays

Inputs(C-38999 series type connector)

All monitors have VGA , DVI, S-Video,C-Video,RS-232,5xBNC
Input power: Free Voltage AC 90 – 264V. Free Voltage DC18-32V
Or DC28V

Dizen Systems.

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DIZEN SYSTEMS

19" RUGGED LCD MONITOR

DATA SHEET

DRD19S

Display Description		Mechanical Description	
TFT Characteristics		Dimensions	482(W) x 399(H) x 80 (D) mm
		Weight	10kg
LCD Type	19 AM TFT LCD		
Max Resolution	1,280 x 1,024 pixels (SXGA)		
Active Display Area	376.32 x 301.06 mm	User Key Controls	Front Fixed
Response Time	16ms	Case Material	Aluminum Sheet
Contrast Ratio	1,000:1 type	Sealed Rate	Front view IP65,Rear view IP22
Brightness	300cd/m ² type, Option: 1,000 cd/m ²	Meet to Environmental Requirement	
Viewing Angle	170 ° / 170 °	Temperature	
Backlight Cycle	80,000 hours type	Operating/Storage	MIL-STD-810F:2003
Pixel Colors	16.7 million	Safety	
Input Signal	C-38999 type-HD-15, DVI-I, CVBS, S-Video,	IP rating	MIL-STD-810F:2003
Video Signal	RGB 0.7-1.0Vp-p ,75ohm	Shock/Vibration	MIL-STD-810F/MIL-STD-167-1A
Composite Video	PAL/NTSC & SECAM (Option: with PIP function)	Electric & Circuits	
Signal Sync.	Option:(Separate H&V or Composite or Sync-on – Green)	EMI/EMC	MIL-STD-461E
Sync. Range		Other test	
Horizontal scan	29.844 to 79.976kHz		
Vertical scan	56.250 to 75.030Hz		
Resolution Support		Rain Salt Fog Fungus	MIL-STD810F
VESA Support	640 x 480 VGA 800 x 600 SVGA 1024 x 768 XGA 1280 x 1024 SXGA		MIL-STD810F
		MIL-STD810F	
Power Supply	Free AC Voltage: 90-264V AC Universal Free DC Votage:16-32V DC 5A or DC28V		
Power Consumption	44W (Max)@115VAC, 8watts sleep mode	Part Number	
Environmental		Monitor	DRD19S
Operating Temp.	-33°C to +63 °C, Option: MIL-STD 810F	Pertinent	
Storage Temp.	-46°C to +71 °C Option: MIL-STD 810F		
Operating Humidity	5% to 95% (non condensing) Otn:MIL-STD-810F	Resistive touch screen RS232	DRD19S-RT
Storage Humidity	5% to 95% (non condensing) Otn:MIL-STD-810F	Capacitive touch screen RS232	DRD19S-CT
Shock /Vibration	10g, 11msec ½ sine+/-1mm, 2 to 13Hz: 0.7g, 13 to 100Hz MIL-STD 810F,MIL-STD-167-1A	Resistive Touch screen USB	DRD19S-RTU
Estimated MIL-STD test. We do not recommend routine operation at extreme temperatures			

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