IDS 17
RUGGED DISPLAY

Rugged, Low Profile, MIL-Spec,
Flat Panel LED Display w/RTEV

Real-Time Enhanced Video

Leveraging a powerful video controller with an onboard FPGA, the IDS 17 hosts Real-Time Enhanced Video (RTEV) technology, allowing the display to apply advanced algorithm enhancements without time delays. User adjustable front panel controls offer on-the-fly algorithm tuning. RTEV-embedded displays deliver significant viewing advantages in: fog, haze, sandstorms, underwater, infrared imaging, low-light, over-saturated video and inclement weather conditions.

MIL-SPEC Ruggedization

IDS rugged displays are designed and tested to meet full MIL-SPEC requirements. The IDS chassis is constructed from aircraft-grade aluminum making it both durable and lightweight while the internal electronics utilize high performance PCB material. The versatility of the IDS display from its optimized footprint to its robust environmental specifications makes it an ideal display solution for military applications in harsh environments.

Thin Bezel, Low Profile SXGA LED Display

Utilizing an innovative rear machined aluminum structural support design, ZMicro is able to minimize the front bezel to provide an immersive viewing experience for the operator while providing flexible mounting options. The IDS mounting options include VESA, 19" RETMA rack, or a quick-release mounting for ground control stations.

Ideal for Airborne, Shipboard,
& Ground Stations

Don't miss a thing with RTEV!

(Actual enhancement images; no manipulation has been performed.)

Fog

Sand

HIGHLIGHTS

- MIL-Spec, low-profile, rugged display
- 17" Active Matrix LCD (AMLCD) panel
- 1280 x 1024 (SXGA) resolution
- LED backlight
- Brightness of 350 cd/m²
- Real-Time Enhanced Video (RTEV) capable
- Digital and analog video signal support
- Durable & lightweight machined-aluminum design
- VESA, 19" RETMA & GCS mounting options
- Resistive touchscreen panel support
- Optically bonded AR / AG / EMI shield options
- On-screen display for user customization

FOR MORE INFO

Contact us at sales@zmicro.com
or call 858.831.7000.

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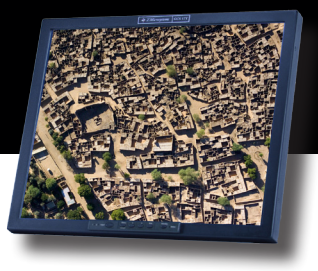
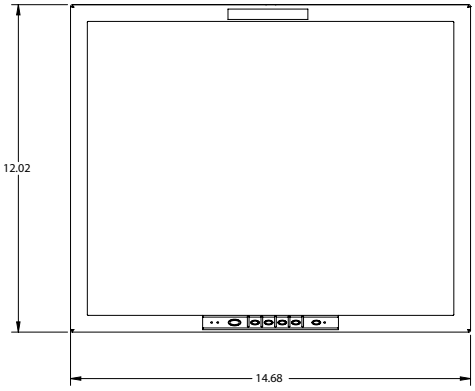
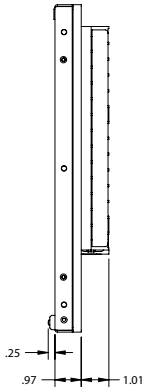
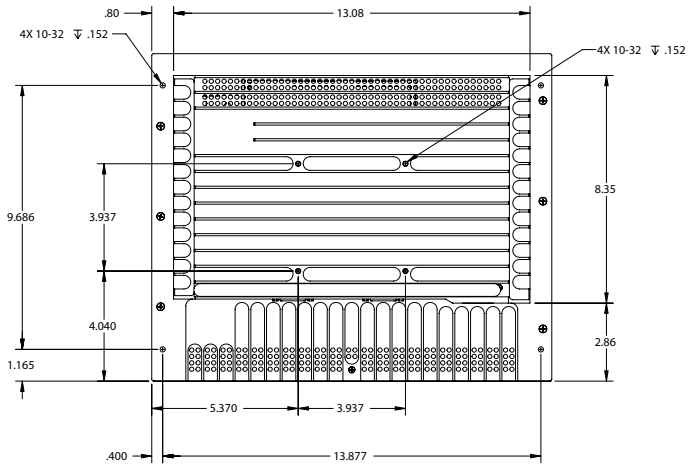
To see all of our display options, visit zmicro.com/displays.



SCHEMATICS







TECHNICAL SPECIFICATIONS

SIZE & WEIGHT	Dimensions	12.02 x 14.68 x 1.98 inch / 305 x 373 x 55 mm
	Weight	11 lbs. / 5 kg
POWER	Power Supply	100-240V AC, .38A, 50/60 Hz
	Power Consumption	44 W
SPECIFICS	Panel Size	17" active viewing area
	Native Resolution	1280 x 1024 (SXGA) (w/scaled support up to 1920 x 1200)
	Backlight	LED
	Brightness	350 cd/m²
	Contrast Ratio	800:1
	Color Palette	16.7 Million
	Controls	INPUT, MENU/SELECT, MINUS, PLUS, EXIT, STANDBY
	Panel Options	Optically bonded AR shield, Resistive touch panel, EMI Mesh, RTEV
	Scaling Modes	No Scale, Fullscreen Scaled, SAR (Scaled w/Aspect Ratio Retained)
	Connectors	2 x DVI-I, C14 IEC 320 socket, USB Type-B
	Mounting	VESA (100x100), 19" RETMA (w/mounting adapter), GCS quick-release adapter
ENVIRONMENTAL	Operating Temperature	0° to 50° C
	Storage Temperature	-40° to +70° C
	Humidity	Up to 95% Non-condensing @40° C for 48 hours
	Operating Altitude	Up to 10,000 ft.
	Non-operating Altitude	Up to 40,000 ft.
	Vibration	MIL-STD-810F, Method 514.4, Modified C-17 levels
	Shock	MIL-STD-810G, 10gs
	EMI / EMC	MIL-STD-461F, RE101 Army Limits, RE102 Surface Ship Limits, RS101, RS103
	MTBF	Min. 50,000 hrs (backlight only)
	MTTR	< 30 mins.
	ESD Safety	IEC 61000-4-2 8kv contact, 15kv air
OTHER	Quality	IPC/ISO 9001:2008 and applicable sections of the MIL-HDBK-454