

KONGSBERG MS 1000

SCANNING SONAR

Our MS 1000 software program converts any standard PC into a full-function sonar processor without the need for additional boards or hardware, and is designed under ISO standards to ensure compliance to reliability, statutory and regulatory requirements. MS 1000 is a Windows-based application and can be configured to control the complete digital line of Kongsberg Mestech's scanning sonar, altimeter, and bathy sensor products via industry-standard telemetry protocols.



For more informations, please flash this code and visit our web site.



KEY FEATURES

- Simultaneous multiple scanning sonar head and altimeter operation, and sensor configurations
- Time-tagged recording of all sonar and sensor inputs to the PC's hard-drive or external recording device
- Advanced target measurement and annotation tools
- Track Plotter module allowing the user to pre-plot search and survey lines, and to geo-reference sonar targets

KEY FEATURES

- Ping synchronization for multiple-head operation; fused data display for dual head profiling
- GeoTiff image format
- 3D profiling with pan device
- Plug-and-play USB keypad
- Networking capability
- Target tracking (optional)

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SYSTEM REQUIREMENT SPECIFICATIONS

PROCESSOR	1 GHz 32 bit (x86) or 64 bit (x64) processor or higher
MEMORY	1 GB or more RAM
HARD DRIVE	300 MB or more free hard disk space
GRAPHIC DEVICE	64 MB or more RAM, DirectX 9 Compatible
INPUT DEVICE	2 or more USB ports
OPERATING SYSTEM	Keyboard, Mouse, MS 1000 Remote Keypad (optional)
INTERFACE PORT	Microsoft® Windows XP Pro®, Windows 7 Pro (32 bit or 64 bit)

DISPLAY

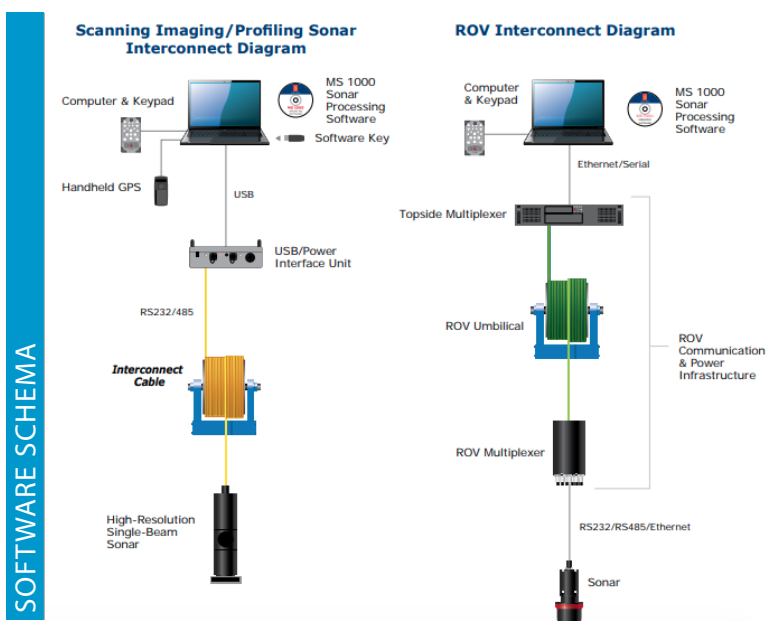
VIDEO FORMAT	Platform dependent; SXGA (1280x1024 or higher recommended)
IMAGE	Dedicated image area for each sonar head; size/position configurable
ZOOM	x2, x4
MAGNIFIER	x1 to x10
MENU CONTROLS	Menu driven control system for display mode, scan speed, scan reverse, threshold, speed of sound, serial I/O, profile or image

CONTROL

SONAR CONTROL	Pull-down menus for configuring and control of sonar system
STATUS READOUT	Alphanumeric display of cursor positions, range, gain, mode settings
SENSOR READOUT	Alphanumeric display of position data, sensor outputs
RANGE	Menu adjustable; customer-defined; 5–500 meters
CURSORS	Selectable by pointing device; 2 general purpose
SECTOR WIDTH	Adjustable from 7.2° to 360° in 7.2° steps
SECTOR CENTER	Adjustable from 0–360° in 0.9° steps

CONFIGURATION

DATA RECORDING	Imaging, profile and time-tagged sensor data storage to hard drive or other PC device; bitmap snapshots to disk; GeoTiff format support
MEASUREMENT TOOLS	Detailed annotation, cursors, tape measure, target area, target height
TELEMETRY	RS 232, RS 485, RS 422
TELEMETRY RATES	Down link: 9600
POWER	Platform dependent
TEMPERATURE RANGE	Platform dependent
SENSOR INTERFACE	RS232
NAVIGATION INPUT	NMEA 0183 Format (232 Levels)



SOFTWARE SCHEMA



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