

THE INDUSTRY STANDARD FOR DIGITAL SIGNAL ACQUISITION

SureShot IV™

AUTOMATIC MOBILE ANTENNA POSITIONING



- **A simple retrofit on existing microwave trucks; a must for new vehicles**
- Fast, fully automatic antenna positioning (pan and tilt)
- Azimuth accuracy $\pm 1^\circ$; tilt accuracy $\pm 1^\circ$; **does not require level vehicle**
- “Three key operation” and completely field-programmable
- Makes setting up directional digital microwave links a snap
- Displays both aiming and distance information
- Stores up to 40 receive location coordinates and bounce setups in nonvolatile memory, 20 of which are password-protected
- GPS-accurate time source
- Automatically unstows and stows antenna
- **Upgradeable to automatically control receive sites**
- **Upgradeable to enable *complete* link remote control from station or HQ**

For additional product information, please contact

Arizona Engineered Products LLC

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SureShot IV™

PRODUCT SPECIFICATIONS MOBILE MICROWAVE

MECHANICAL

Control unit	19" W x 1.75" H x 8" D, standard rack mount
Pan/Tilt sensor	1" W x .5" H x 2" L, Velcro™ mount
GPS antenna	1.5" W x .5" H x 1.75" L, screw mount

ELECTRICAL

Power: Positioning Only = 12V DC @ 250 mA quiescent
Positioning and Internal Pan/Tilt controller = 115V AC and 12V DC
(Current dependent upon pan/tilt used)
RS232 interface: 115,200 B, 8 bit, no parity (baud rate adjustable)
All programmed data stored in nonvolatile Flash RAM
Can be supplied with circuitry to directly power pan/tilt
Requires a Belden 9940 cable, or equivalent, in Nycoil

ENVIRONMENTAL

Control Unit 0 – +50°C
Compass module -20° – +70° C

POSITIONING ACCURACY*

Vehicle level	Resolution $\pm 1^\circ$
Vehicle skewed up to $\pm 15^\circ$	Resolution $\pm 3^\circ$

*Local magnetic disturbances may increase error.

PAN/TILT HEAD INTERFACE

Solid state with speed control

EXTERNAL PAN/TILT TOGGLE INTERFACE

DB-9 connector on rear

EXTERNAL COMPUTER INTERFACE

Proprietary software for Operator use – Windows™ PC
Proprietary software for Engineering setup / data backup – Windows™ PC

Specifications subject to change.

