

SN4500 4-ATI PRIMARY NAVIGATION DISPLAY



Offering modular convenience and flexibility, the SN4500 Primary Navigation Display is the standard in NAV displays. Incorporating patented LED backlight technology, the SN4500 is an ideal replacement for aging 4-in. and 5-in. electromechanical HSIs. It gives your cockpit unmatched resolution, unbelievable color, and a state-of-the-art technology update.

The SN4500 boasts a MTBF greater than of 10,000 hours. With patented display engine generating a resolution of 200 pixels per inch—unmatched in the industry for brightness clarity, readability and color fidelity—you'll find the SN4500 transforms your panel as it gives you a better view of the airspace around you.

NIGHTHAWK
FLIGHT SYSTEMS, INC.



Fly Safe.

SN4500 4-ATI PRIMARY NAVIGATION DISPLAY

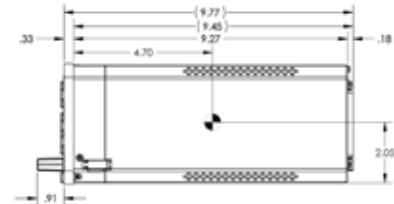
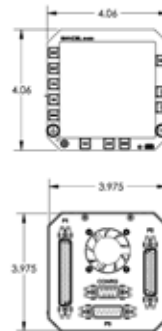
The SN4500 improves situational awareness by presenting Compass, Map, Flight Plan, and safety systems data in a bright, high-resolution format. FAA-certified as a primary navigation display, the SN4500 even incorporates overlaid weather, along with traffic information from TCAS, TCAD, TAS, and ADS-B In receivers, to maximize situational awareness.



Reversionary 'Standby' Attitude Mode



| | | |
|---------------------------------|---------------|--|
| Weight | SN4500 | 3.5 lb. (1.59 kg) |
| Bracket & Connectors | | 0.5 lb. (0.23 kg) |
| Dimensions | | |
| Length | | (with bezel): 9.77 in (24.82 cm) 9.45 in (24.00 cm) from panel to back of unit |
| Body | | 3.975 in x 3.975 in (10.10 cm x 10.10 cm) |
| Bezel | | 4.060 in x 4.060 in (10.312 cm x 10.312 cm) |
| Display | | LED Backlit |
| NVIS Mode | | Class B compatible per MIL-STD-3009 |
| Power Requirements | | 22-33 VDC 28 VDC @ 1.4A (40W) nominal |
| Cooling Requirements | | Internal fan requiring ambient air at fan input |
| Mounting | | Standard 4-ATI panel cutout with clamp and Positronic® connectors. Bezel adapters available for mounting in 4x5 and 5x5 panel cutouts. |
| Operating Environment | | -20 C. to +70 C. +55,000 ft. max. altitude |
| Certification Basis | | TSO-C113, Airborne Multipurpose Electronic Displays, and TSO C3d, C6d, C34e, C35d, C36e, C40c, C41d, C118, C119b, C195b EASA ETSO, C113 DO-160D, Env. Cat – [(A2)(F1)Z]BAB[HR]XXXXXXXXZBABBC[WW]M[XXE2F2X]XXAX DO-178B, Software Level C DO-254, Hardware Level C |
| Interfaces | | |
| Heading | | Bi-phase stepper (Mid-Continent 4305 & KG102) XYZ synchro (ARINC 407) ARINC 429 |
| Flux Gate | | Standard 400-Hz XYZ 3-wire interface with external excitation |
| NAV | | Analog and ARINC 429 |
| DME | | 2 King serial or ARINC 568 digital (e.g. KN62/64, KN63) 1 Analog DME input (40 mV/nm) |
| ADF | | SIN/COS, Synchro and ARINC 429 |
| GPS | | ARINC 429, RS-232 and RS-422 |
| Composite NAV | | 2 ARINC 0.5V inputs, Internal NAV Converter |
| Marker Beacons | | 3 discrete inputs |
| Switch/Annunciators | | Discrete and ARINC 429 |
| Lightning Detection | | WX-500 Stormscope® |
| Options | | Traffic (option) ARINC 429 (TAS, TCAD, TCAS I and TCAS II), ADS-B In TIS-B Traffic Weather (option) TACAN (option) ARINC 429, 419, XYZ |



Dimensions and specifications subject to change without notice.