

SANDEL®

	Sandel ST3400H	Garmin	Honeywell XXI	Honeywell XXII
CFIT coverage below 30 knots or hovering	Yes	No - Inhibited below 30 knots groundspeed	No - Inhibited below 60 knots groundspeed	No - Inhibited below 60 knots groundspeed
Terrain database	3 arc second	6 arc second	6 arc second	6 arc second
Display range	1/2 - 20 NM	1-100nm range - obstacles not displayed past 10nm	2.5 - 160 nm display dependent	2.5 - 160 nm display dependent
Radar altimeter functionality	Yes	No	No	Yes
Decision height MINS functionality	Yes	No	No	Yes
Altitude VCO	Generated by radar altimeter pilot selectable for 300, 200, 100, 50, 40, 30, 20, 10	Generated by GPS altitude from 500 to 100' in 100' increments	No	Generated by Radar Altimeter menu option of 500, 300, 200, 100, 50, 40, 30, 20, 10
Traffic display	Yes	Yes	Display dependent	Display dependent
NVIS	Class B compliant on demand NVIS feature	Display must be modified	Display dependent	Display dependent
Additional indicators required	External switches and annunciators supported but not required	Yes	Yes	Yes
Databases/software upgrades	Downloaded from website field loaded through front USB port	Data card supplied by Garmin	Updated through compact flash supplied by Honeywell	Updated through data loader with load time of 70 minutes
Display	Class A HTAWS GPWS computer is self contained in a 3ATI display	Displayed on 430W/530W	Requires compatible display	Requires compatible display
Map display	GPS flight plan, terrain, transmission lines, obstacles, airports, traffic	Pilot required to navigate to a dedicated HTAWS page when caution or warning received.	Display dependent	Display dependent
User defined obstacles	Yes	No	No	No
Obstacle display	Obstacles 50' and above AGL depicted	Unknown	100 Feet AGL depicted	100 Feet AGL depicted
Terrain & Obstacle database accuracy	1 foot vertical resolution	Unknown	Within 25 feet	Within 25 feet
Transmission Line Alerting	Yes - Available now for the CONUS and other areas of the world as we acquire and create data bases	No	No	No
Alerts	Forward Looking Terrain, Transmission Lines and Obstacle Avoidance alerts and advisories Downward looking GPWS alerts and advisories Traffic Class A TAWS Mode 1, 3-6	Forward Looking Terrain and Obstacle Avoidance alerts and advisories	Forward Looking Terrain and Obstacle Avoidance alerts and advisories	Forward Looking Terrain and Obstacle Avoidance alerts and advisories Class A Modes 1-6
GPWS alerting	Yes Mode 1, 3-6	No	No	Yes
Pilot selectable sensitivity levels				
	Normal Sensitivity	Reduced Protection Mode	Low altitude mode	Low altitude mode
	Low Sensitivity for low altitude operations	TAWS inhibit	Audio inhibit	Audio inhibit
	Off Airport Mode		Terrain inhibit	Terrain inhibit
	Audio inhibit TAWS inhibit			
MTBF	10,000+ operating hours	Unknown	7,000 operating hours	5,500 operating hours