

GRT Avionics

Grand Rapids Technologies, Inc.



Typical System Features:

- Primary Flight Data, Moving Map, and Graphical Engine Data
- Sunlight-Readable, Wide-Temperature Range 6.5" or 8.4" Display
- XM Satellite Weather*
- Traffic Display for ADS-B, Garmin GTX330 Transponder or Zacon XRX*
- Interfaces to popular Navigation and Communication Radios
- HSI, Arc View, and Weather Maps
- Highway-in-the-Sky Integrated Navigation/Attitude Display
- Expandable - Multiple Display Units provide Redundancy and Functionality
- Convenient USB Memory Stick for Software Loading, Database Updates and Data Logging
- Multiple Power Inputs
- Angle of Attack Indexer - no probes required
- 14 or 28 volt (2 amps max)
- Operating Temperature -15 to +160 deg F
(* Additional equipment required)

Horizon HX 6.5 (full size) Specific Features:

- Built-In ARINC-429
- CLEAR VIEW[®] Synthetic Vision
- Shaded Relief Terrain Map
- Approach Plate Viewer, Video Input, and more

Attitude Sensor Package (AHRS) Features:

- Attitude Solution Independent of GPS or Pitot/Static
- Suitable for IFR Primary Attitude Reference
- Dedicated Processor for Reliability
- Fully Functional During Aerobatics
- Continuous Self-Test
- Gyro-Stabilized Slaved Magnetic Heading
- All axis 200 deg/sec; Pitch and Roll Range Unlimited
- Airspeed Range 35-285 mph or 50-580 mph
- IFR Accuracy -1000 to +35,000 feet

Grand Rapids Technologies, Inc.

Automated instrumentation for aircraft

(616) 245-7700 fax (616) 245-7707 www.grtavionics.com

HX

The most feature-rich, capable EFIS available on the market with years of field proven features and state-of-the-art technology, the Horizon HX stands alone.

See what you'll miss on the horizon with Clear View[®] Synthetic Vision and land like a carrier pilot with GRT's AHRs derived Angle of Attack.

Single Display/Single AHRs, 4 Cyl. Package \$8350

Dual Display/Dual AHRs, 4 Cyl. Package \$13350

GPS	\$400
RAIM GPS	\$750
XM Weather	\$550
Backup Battery	\$140
6 Cyl. Package	Add \$200
8.4" Display	Add \$600
Without engine package	Subtract \$1350
Single/ Dual AHRs	\$3000/\$4000
HS display (w/o SV & ARINC)	Subtract \$2000

Sport SX

The perfect low-cost solution to provide primary flight data to your cockpit without mechanical gyros, and at a price that obsoletes traditional instrumentation. The GRT Sport incorporates many of the features of the EFIS Horizon Series I, including the brilliant sun-light readable display, and dedicated AHRs processor, in a single compact package. (See comparison chart at right.)

For the value-minded, the GRT Sport offers unbeatable option to replace the traditional vacuum system with improved performance. Add synthetic vision and ARINC-429 options for a complete state-of-the-art EFIS.

S200-SX (with AHRs, w/o engine)	\$3000
S100-SX (without AHRs, w/o engine)	\$2000

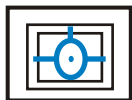
Options	
CPU/GPU upgrade	\$600
Synthetic Vision (w/ CPU/GPU upgrade)	\$1200
GPS Vertical Commands (ARINC req'd)	\$500
Engine Packages 4cyl/6cyl	\$1200/\$1400
Backup Battery	\$140
External ARINC-429	\$475
GPS	\$400
XM Weather	\$950
8.4" Display	Add \$600

Features

Horizon HX Sport SX

	External	Internal
Attitude Heading Reference System (AHRs)	Yes	Yes
Altitude Alerting	Yes	Yes
Altimeter Encoding Output	Yes	Yes
Angle of Attack (AOA) Indexer	Yes	Yes
Lateral Autopilot Interface	Yes	Yes
Artificial View of Antennas, Towers, Obstructions	Yes	Yes
Artificial View of Runways	Yes	Yes
Dimmable for night viewing w/o color changes	Yes	Yes
Data Recording	Yes	Yes
Flight Path Marker	Yes	Yes
G-Meter - Recording	Yes	Yes
Heading Bug	Yes	Yes
Height Above Touchdown Zone	Yes	Yes
Magnetic Direction Indicator	Yes	Yes
Highway-In-The-Sky (HITS) Approach	Yes	Yes
Outside Air Temperature	Yes	Yes
Remote Mounting Magnetometer	Yes	Yes
Slip Indicator	Yes	Yes
Sunlight-Readable Wide-Temperature Display	Yes	Yes
Synthetic Approach to any runway	Yes	Yes
Synthetic Approach - ILS Matching	Yes	Yes
Display for ADS-B Traffic	Yes	Yes
USB Memory Stick Updating	Yes	Yes
Vertical Speed Indicator	Yes	Yes
Warning System	Yes	Yes
Wind - Vector and Component Displays	Yes	Yes
Worldwide Navigation Database	Yes	Yes
XM Satellite Weather Input	Yes	Yes
Zulu Clock	Yes	Yes
HSI (VOR/LOC/GS/GPS)	Yes	Yes
Airport and Waypoint Details	Yes	Yes
GPS Flight Plan Interface to external GPS	Yes	Yes
Map Decluster	Yes	Yes
Map - Obstructions	Yes	Yes
Airspace with effective altitudes	Yes	Yes
Moving Map	Yes	Yes
GPS Flight Planning	Yes	Yes
Selected Altitude Intercept Prediction	Yes	Yes
Fuel Flow Totalizer & Endurance	Yes	Yes
EIS Engine Monitor Compatible - All Functions	Yes	Yes
Graphical Engine Monitoring	Yes	Yes
Split Screens	Yes	Yes
Map - OBS Selection	Yes	Yes
Configurable Displays	Yes	Yes
Dual AHRs capability	Yes	Yes
Flight Director	Yes	Yes
Trim Indicators	Yes	w/EIS
Inter-Display Data Link	Ethernet	Serial
GPS	Optional	Optional
Synthetic Vision/Shaded Color Moving Map	Yes	Optional
Synthetic vision forward visibility	30 nm	10 nm
Navigation Radio Interface (ARINC 429)	Yes	Optional
Vertical Autopilot Interface	Yes	Optional
GPS -RAIM - Option	Yes	-
Video Input for camera including thermal imaging	Yes	-
Approach Plates	Yes	-
Dual AHRs with Integrity Monitoring/Cross Check	Yes	-
Reversionary Display Capability	Yes	-
Remote dimming/page change/SL30 tuning	Yes	-
Serial Ports - In and Out	8	up to 5
Analog Inputs	8	0
Discrete Outputs	6	0
Maximum number of displays per system	5	2

GRT
AVIONICS



Grand Rapids
Technologies, Inc.

(616) 245-7700 fax (616) 245-7707

www.grtavionics.com