SENTINEL

A truly flexible MFD, configurable
to role, install and sensors, the choice
of professionals

Sentinel "Safety on a Screen"

Honeywell recognise that helicopter operations are often multi-faceted and place demands on pilot's that require they have all the pertinent information applicable to the task at hand in an easily assimilated format to maximise safety.

Capability

Sentinel provides data in a manner that is visual, configurable and accessible. In an environment where the majority of operations are conducted in visual flight conditions (VMC) Sentinel is the logical Multi Functional Display (MFD) choice. Sentinel's flexibility in terms of configuration and costs means that the system is suitable for use in small, medium and large helicopters in both the private, industrial, public and military roles.

Functionality

Sentinel delivers mapping, charts, plates, flight plan overlays, traffic and weather in a format that allows the pilot to easily access the information and make intelligent decisions on whether to continue his mission. In addition to the basic functionality, Sentinel can also deliver AIS shipping information for those who operate in Littoral environments, EO/IR camera tracking for special role applications and can display PAL/NTSC images from cameras if required.

Military Training System

Aeromedical HEM's System

Featuring

Vectored and Raster Maps

Jeppesen Navigation Data

Obstacles, VRP's, & Pylons

Traffic (TAS/TCAS) Interfaces

Weather, XM and Stormscope

Relative Terrain Presentation

Vertical Profile Down Track

Multiple Flight Plan Interfaces

Exclusion Zones (Circle & Polygon)

Secure data options

Digital Terrain Elevation Data

AIS Maritime Transponder Data

EO/IR Camera

Global Digitial Elevation Model

Web Driven Data updates

Features Support

- Vector Maps (Jeppesen Data)

- Raster Maps (ICAO Charts)

- Approach Plates (Static No Overlay)

- Airport Diagrams (A/C Overlays)

- Direct To Search & Flight Planning

- Airspace Alerting (Lateral & Vertical)

- Extended Track & Runway Centre Line

- Orientation (North, Track, Grid, Heading)

- Position Data (Hrs, Min, Sec or Decimal)

- Coordinates (WGS84, UTM, OSGB, MGRS)

- Multiple Units (Kts, Km/Hr, etc.)

- Position (ARNAV & NMEA)

- Waypoints (ARNAV, NMEA and ARINC 429)

- Google Earth™ format Track Files

- Memory Map & Jeppesen Interfaces

- Easytask Analysis Tools

- Function Hot Key Designation

- Own Ship and Target Modes

- Landscape & Portrait Support

- Auto Zoom & Map Zoom

- Waypoints and User Airports

- Load & Lock Profiles on System

- Bulk Waypoint Delete (Non Locked)

- Wind vector Data (Heading Required)

- Enhanced Touch Screen Mode

- Note Pad Support (1200 Characters)

- Search Engine (Text String Data)

- Line Obstacles (Data Required)

- Map Lock to Track in Hover Mode

- Keep-out Rings and Polygons

- Road Over Flown Display

- Area of Probability Search

- Full Text Keyboard supported

- Touch Screen 3rd Party Displays

- Composite I/O Control Code

- Back of Cabin Auto-Boot (Option)

- Flight Logging (1-99 sec's)

- Camera Log File Entry (Option)

- Line Features & Points (Option)

Back of Cabin System

Interface

Position Source Internal.	Internal 12 Channel VFR GPS
Position Source External	ARNAV-R30 & NMEA 0183 plus ARINC 429
Traffic TIS/TAS/TCAS 1	Honeywell KTA 8/910, TPU66A/KT73, Avidyne TAS6xx, Goodrich TRC497 & TRC899
Quick Tune Interface	Bendix/King Format for KX 155A or KX 165A
Stormscope Interface	L3 WX500
AHRS Interface	ARINC 429, Minimum HDG
AIS (Automatic Identification System)	SAAB R4A & Avionetics TX-20 and Generic NMEA Systems
Camera Interface	Wescam L3 MX10 , 15 & 20 FLIR SeaFLIR, Star Safire Series, Ultraforce 350
Enhanced Touch Screen Mode	RS422 Skyquest Full Touch Screen Support
Touch Screen 3rd Party Displays	PS2 Interfaces, Skyquest and RDDS Displays
XM Weather	Full KDR610 Interface, NEXRAD, TAF, METAR
Radio Altimeter Input (ARINC429)	Honeywell KR405B & Free Flight TRA3000/3500
USB Read & Write	USB1.1 Interface, Low & High Bandwidth

Honeywell