



# Satellite Weather

## Satellite Digital Weather Services

XM WX Satellite Weather provides the most comprehensive weather data available. The same proven technology used by broadcast meteorologists across the country now brings Nexrad radar, lightning data and much more direct to your cockpit.

XM's twin S-Band satellites provide complete coverage of the continental United States and coastal waters at all altitudes in any weather.

The best value on the market, XM WX Satellite Weather features affordable, unlimited-use subscription plans, the most cost effective receivers, and wide ranging display options. And, XM can offer the combined benefits of the most comprehensive weather data plus 150+ channels of award-winning XM Radio service, all through a single antenna.



HEADS UP TECHNOLOGIES



SATELLITE  
RADIO



SATELLITE  
WEATHER



# XM WX Satellite Weather

XM's advanced digital satellite broadcast infrastructure provides the optimum method of transmitting the XM WX Satellite Weather data to aircraft flying anywhere within the contiguous United States and coastal waters. XM's advanced technology allows for dependable reception of the XM signal in any weather conditions. Using aviation certified receivers and antennas, XM achieves the significant breakthrough of affordable graphical weather information delivery to aircraft while in flight.

## XM WX Satellite Weather Receiver Provides:

- NEXRAD Radar (High Resolution)
- METARS
- TAFS
- TFR's
- Storm Cell Attributes
- Current Conditions
- AIRMETS and SIGMETS
- County Warnings
- City Forecasts
- Surface Analysis
- Lightning Strikes
- Visibility Forecast
- Wind speed/direction (at surface and aloft at altitude)
- Graphical Echo Tops and Satellite Mosaic
- High and Low Altitude Airways
- VOR's
- ....and much more

## Electrical

- Microprocessor Based
  - Memory Type
  - Memory Capacity
  - Voltage (nominal)
  - Receiver(s) Current (nominal)
  - Antenna
  - Databus Protocol
- 8 bit - 50 Mhz RISC
  - Linear Flash
  - 128K
  - 12 Vdc/28Vdc
  - .2 - 28Vdc/.4 - 12Vdc
  - patch type, combo's
  - USB - with XMD075-01 p/n
  - RS232 - with XMD076-01 p/n

## Physical - receiver

- Height
  - Width
  - Depth
  - Weight
- 1.82"
  - 6.46"
  - 7.30"
  - 1.4 lbs

## Environmental

- Storage Temperature
  - Operating Temperature - receiver
  - data port
- 67F to +185F (-55C to +85C)
  - 49F to +158F (-45C to +70C)
  - +5F to +158F (-15C to +70C)

## Testing/Certification

- Hardware - Environmental
- RTCA DO-160D

\* These preliminary specifications are subject to change without notice. Please contact factory.



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