

# INTRODUCING THE NEXT GENERATION OF REAL-TIME STORM DETECTION

ARM-BASED 3 MICROPROCESSOR ARCHITECTURE FOR HIGH RESOLUTION  
DIRECT - TO - DIGITAL DATA COLLECTION

## **NIMBUS™ 4D** Directional MobileBase

Powered By **NIMBUS™** Technology

### GET YOURS BEFORE THE STORM!™

#### PRIMARY DETECTION FUNCTIONS

- Storm detection range 600 miles (966 KM)
- Early Storm Formation Alerts out to 20 miles
- Squall line detection
- Pre-tornado conditions



#### 4 ANTENNA ARRAY

- Cloud to Ground
- Cloud to Cloud
- Positive Polarity Strokes

#### ACTIVE DATA REGISTER

- 10,000 data points for storms
- 20,000 data points for squall line and hurricane conditions
- Latitude Correction

#### DATA LOGGING

- Able to store up to one year of operating activity internally without any download
- Provides the enthusiast, storm chaser or meteorologist the ability to study storm pattern and activity during different times of the year

#### BACK-LIT 128 x 64 MONOCHROME GRAPHIC DISPLAY

#### 4 LANGUAGE DISPLAY OPTIONS

NIMBUS™ 4D will arrive with four pre-programmed languages (English, French, Spanish and Portuguese) to choose from and many more available for download from the NIMBUS4.com website.

#### USB PORT

- Field diagnostics & calibration
- Cloud-based networking of up to 10 units
- Download of up to one year of stored data

#### GPS ONBOARD



**EXTERIOR (L X W X D)**  
14.20" x 11.40" x 6.50"  
(36.1 x 29 x 16.5 cm)

**WEIGHT: 10 LB**

**BATTERY OPERATING LIFE: 2 WEEKS**

#### SOFTWARE ADJUSTMENTS

For latitude and terrain

#### REAL-TIME CLOCK

Allows for modification to calibration based on time-of-day and day-of-year

The **NIMBUS™ 4D** combines the un-paralleled storm detection capabilities of the **NIMBUS™ 4** with Entropy's patent-pending directional system. Using the high-resolution storm data collected by the 4-channel antenna array, the **NIMBUS™ 4D** software provides the bearing to storm activity in 30 degree segments. Just as with all storm information provided by the **NIMBUS™** technology, the storm direction is based on real-time data processed at the exact location of the **NIMBUS™** unit. The **NIMBUS™ 4D** display uses an on-board compass module to display the bearing to storm activity relative to true North. The storm bearing information is updated in real-time using the storm data being collected by the unit.

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