TRACEBILITY REDEFINED

3D Stereo Disdrometer, accurate precipitation analysis with real-time visual documentation

Thies CLIMA

0.08 to 40 mm Particle Detection
Marks the device's capability to measure a wide range of particle sizes.

Over 99% Type Identification Accuracy
Highlights the precision in identifying various precipitation types.

2 Cameras with heater

Real-time Visual Reporting
Emphasizes the real-time transmission of particle images, reducing the need for human oversight.

Low Maintenance Requirements
Points out the minimal maintenance needed, adding to the device's user-friendliness.

False Positive Prevention
Demonstrates the device's ability to detect and prevent false positive readings.

Comprehensive Wind-resistant Analysis
Indicates the device's capability to provide accurate data even in windy conditions.

The 3D Stereo Disdrometer – your solution for accurate and reliable precipitation analysis.
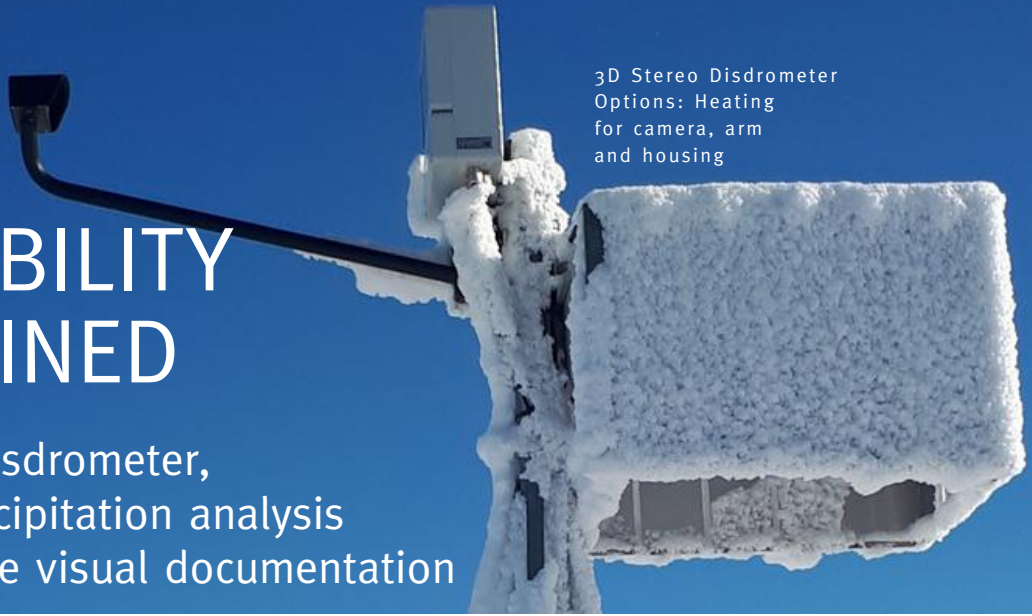
The 3D Stereo Disdrometer 5.4120.xx.xxx sets new standards in precise precipitation measurement. Leveraging state-of-the-art technology, it accurately analyzes all types of precipitation with exceptional precision and provides comprehensive visual documentation in real-time. It is the ideal choice for meteorological applications where highest skill shares exact data is crucial.

THE WORLD OF WEATHER DATA

3D Stereo Disdrometer
Options: Heating
for camera, arm
and housing

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3D Stereo Disdrometer,
accurate precipitation analysis
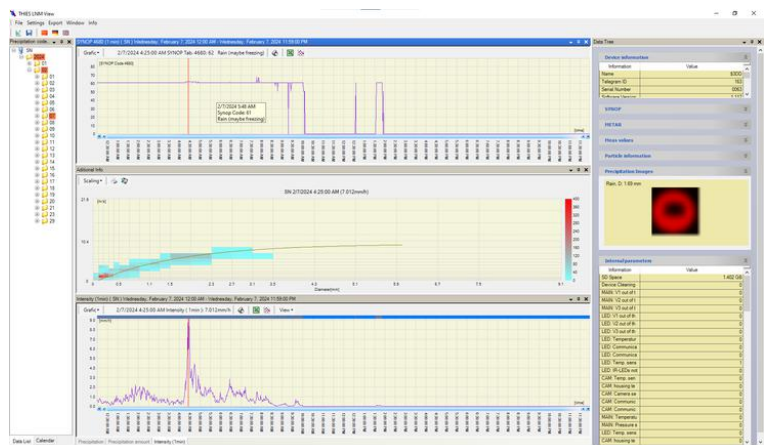with real-time visual documentation

Insects

Graupel

Snow

Rain

KEY FEATURES

- Precise Particle Measurement: Detects particles ranging from 0.08 mm to 40 mm in diameter, including even the smallest drizzle events.

- High Detection Accuracy: Identifies precipitation types with over 99% accuracy.

- Real-time Image Transmission: Automatically transmits particle images of precipitation events directly in the telegram, eliminating the need for manual verification and providing full tracebility of precipitation events.

- Low Maintenance: Requires cleaning only if the camera or light source becomes dirty; cleanliness status is easily viewable.

- False Alarm Detection: Detects and documents false alarms with image transmission.

- On-site Software Updates: Facilitates easy software updates via SD card.

- Viewer Software to display data ›

APPLICATIONS

- Meteorology: Precise measurement of precipitation types, intensity and distribution.

- Climatology: Detailed analysis of long-term weather patterns and research.

- Traffic: Enhances safety by providing accurate precipitation data.

- Hydrology: Accurate precipitation data for understanding and managing water resources and flood risks.