

Farm Machinery Seeding Operation Monitoring Terminal

Product Description

The Agricultural Machinery Seeding Operation Monitoring Terminal is an intelligent management tool designed specifically for modern agricultural production. By employing advanced sensing technology and intelligent management systems, this product enables real-time monitoring and precise management of the entire planting and seeding process. It consists of on-board display units, alarm units, image acquisition units, seeding information acquisition units, and more.



Seeding Monitoring Terminal







Sensors



Qianxing BDS Navigation Smart Antenna

Performance Characteristics

-  **Low seeding quantity statistical error rate**
The relative error rate between the terminal's seeding quantity statistics and the actual seeding quantity is $\leq 0.01\%$.
-  **Missing seed alarm**
The terminal continuously monitors for missing seeding of 3 seeds or more.
-  **High accuracy of missing seed alarm**
The accuracy rate of the terminal's alarm prompts for detecting missing seeds in the seeding unit is high compared to the actual number of missing seeds in the seeding unit.
-  **Dust-resistant performance of seed sensors**
Complies with the appraisal outline requirements of DG/T 252—2021.

Product Features



- ① **Seeding quantity statistics:** The terminal can accurately record the seeding quantity and calculate the seeding quantity statistical error rate to assess the accuracy of seeding operations.
- ② **Seeding operation information display:** The seeding operation information is displayed in real-time through the app, including seeding quantity, speed, and operation route, enabling users to monitor the operation situation in real-time conveniently.
- ③ **Missing seed and blockage alarm:** The alarm unit can monitor abnormal situations during the seeding process, such as missing seeds or blockages in the seeder, and promptly issue alarm prompts to assist users in timely handling.
- ④ **Image acquisition:** The image acquisition unit captures real-time images of seeding operations through cameras, allowing users to understand the seeding situation through images, identify problems promptly, and take measures.
- ⑤ **Satellite positioning:** Integrated satellite positioning system provides precise positioning services to ensure the accuracy and traceability of seeding operations.
- ⑥ **Remote transmission of operation information:** Supports remote transmission of operation information, allowing collected seeding information to be transmitted to remote servers or the cloud for users to view and manage operation data in real-time.
- ⑦ **Local data storage:** The terminal is equipped with local data storage function, storing the collected seeding information locally for future reference and analysis.
- ⑧ **Resumable transmission:** Supports resumable transmission function, ensuring data integrity and stability by resuming transmission even if interruptions occur during data transmission.