



NEWDi



INTEGRATED AUTOMATED STEERING SYSTEM NG3A



Application scenario



- Optional single antenna or dual antenna
- Working accuracy < 2.5cm
- Support curve operation
- Support high speed operation
- Calibration free
- Support remote operation
- Support remote upgrade
- Strong signal

display device

IP5 visible screen under the sunshine
 8.1" touch screen
 Industrial grade design
 IP67 dust and waterproof
 5G Network modem
 Android 9.0



Beidou antenna

Beidou B1/B2/B3
 GPS L1/L2/L5
 GLONASS L1/L2
 GALILEO E1/E5a/E5b



Steering wheel steering gear

Applicable motor DC12/24
 Torque is 10N/M to 16N/M
 Electric current 10A to 15A
 DC working power supply +7 to 32v
 Speed mode and position mode
 Encoder 1024P/R

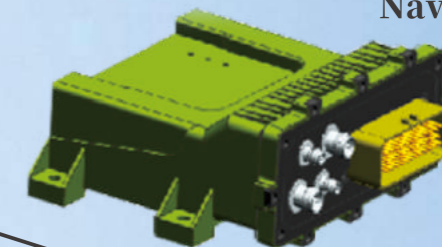


Wheel angle gyro

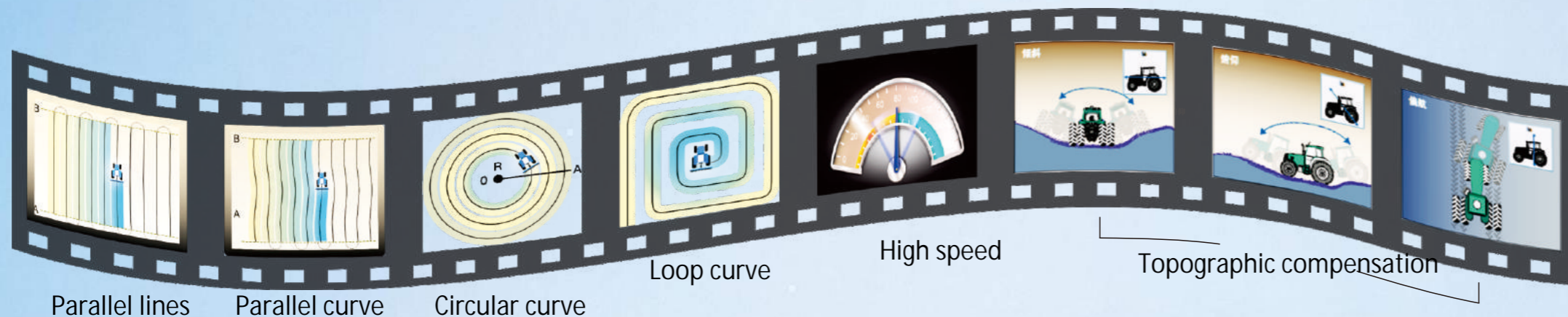
Power input 9v to 36v
 Torque 6 N·m
 Multiple guidelines patterns
 High accuracy in challenging environments and difficult terrains.



Navigation ECU



Wide voltage power supply 9 to 36v
 High performance processors :STM32H743VIT6 CHL
 Position: dual antenna high-precision positioning module
 Position accuracy: <1cm
 Direction accuracy: <0.1°
 High-precision gyroscope: fusion accuracy <0.1°/h
 4G Network modem
 UHF module:frequency: 410-470 MHz
 Protocol: TT450S/Transparent



Parallel lines

Parallel curve

Circular curve

Loop curve

High speed

Topographic compensation