

## Hikvision Enterprise PDAs

Digital mobility for industrial professionals

HIKVISION®


# Hikvision Enterprise PDAs

Digital mobility for industrial professionals



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 **Hik-Partner Pro**  
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the app

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# About HIKVISION

Hikvision is committed to serving various industries through its cutting-edge technologies of machine perception, artificial intelligence, and big data, leading the future of AIoT.

## R&D Investment



**12.75 %**  
annual revenue  
invested in R&D



Almost **1/2**  
R&D engineers among  
**58,000+**  
employees worldwide



**10,000+**  
Patents

## Abundant Product & Solution Offerings

We develop more than **30,000** hardware products and more than

**200** software products with leading technologies, such as:



Video & Imaging Technology



Multidimensional Perception



Artificial Intelligence





# Hikvision's Enterprise Personal Digital Assistants

(PDAs) are a series of portable terminals designed for professional use with:

- A built-in barcode-scan engine
- Optical Character Recognition (OCR) technology
- Advanced deep learning barcode-recognition algorithms

**With these features,** enterprise PDAs can efficiently read regular barcodes and accurately identify abnormal barcodes caused by factors like wrinkles or ink overflow. This makes them highly suitable for various industries from manufacturing to retail chains.

**What's more,** as a handheld intelligent data terminal, our PDA offers the advantage of independent operation without the need for a computer connection. It provides users with unparalleled convenience and freedom from location restrictions, greatly boosting working efficiency.



*Accuracy*  
*Flexibility*  
*Convenience*



## Latest Product Portfolio at Your Service



### Short keyboard enterprise PDAs

Terminals equipped with an ergonomic physical keypad and side buttons



### Full-screen enterprise PDAs

Terminals featuring a full-screen display and an intuitive user interface

### Long handle enterprise PDAs

Terminals equipped with 42 physical buttons, high-capacity and hot-swappable battery






### PAD enterprise PDAs

The 10.1" robust tablet strikes perfect balance between size and performance

# Core Technologies

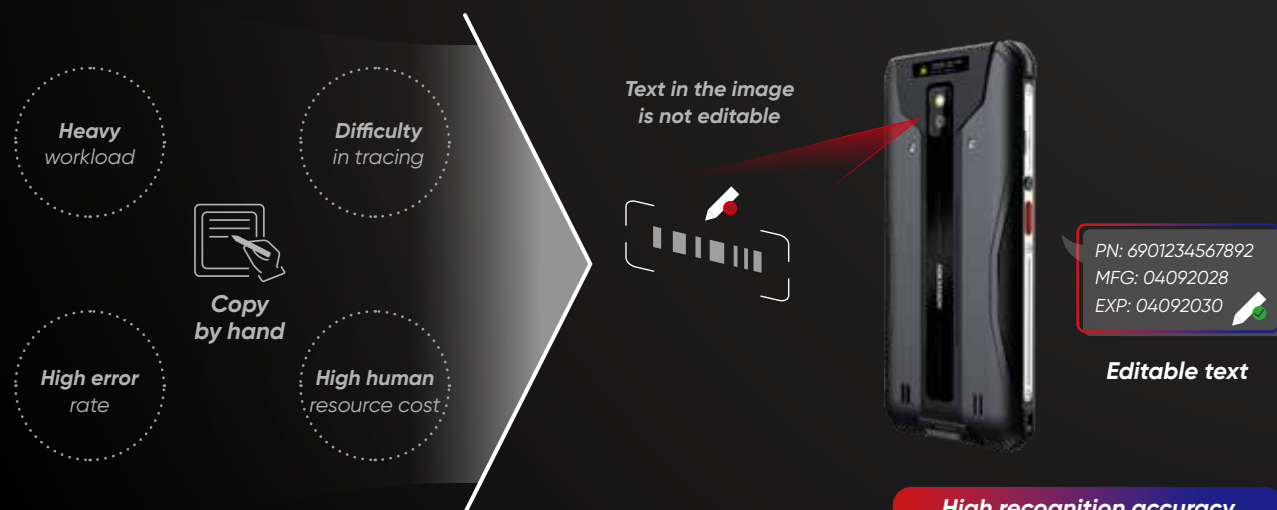
## 1/ Excellent image processing and code reading

With years of research and development in image technology, Hikvision has developed its own scanner that incorporates outstanding image recognition technology and deep learning algorithms. This self-developed scanner guarantees efficient and accurate code scanning, recognition, and analysis capabilities.

- 
**Excellent image recognition**  
 Integration of camera and supplement light systems  
 Scan the code anytime, anywhere even without light and network
- 
**High recognition speed**  
 Continuous code scanning - 25 times / second
- 
**Accurate recognition & analysis**  
 Recognize more than 30 types of common 1D/2D codes

## 2/ OCR technology for fluid scanning experience

Our **Optical Character Recognition (OCR)** technology, powered by industry-leading deep learning algorithm, contributes to enhanced scanning and registration efficiency with reduced manpower. It conveniently converts text content from images or pictures to editable text, with high recognition accuracy, fast recognition speed, and multiple recognition patterns.



Optimized workflow & reduced cost

- High recognition accuracy
- Fast recognition speed
- Multiple recognition patterns
- Rapid customization

# Product Showcase & Application Scenarios

The enterprise PDAs enable digital mobility, offering convenient and efficient informatization solutions for diverse vertical industries.

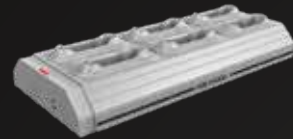


# Accessories



**DS-MH1421**  
for MDT201/301

Single Charging Home Dock



**DS-MH1426**  
for MDT201/MDT301

Six Bays Charging Base



**DS-MH1424**  
for MDT301

Four Battery Charging Base



**DS-MH1620**

Scan handle

# Software

Our powerful **Mobile Device Management (MDM)** software is a free device management software based on the Windows operating system. With our MDM software, you can efficiently manage your PDA terminals, ensuring optimal performance and security while simplifying your day-to-day operations.

### Manage devices in batches remotely

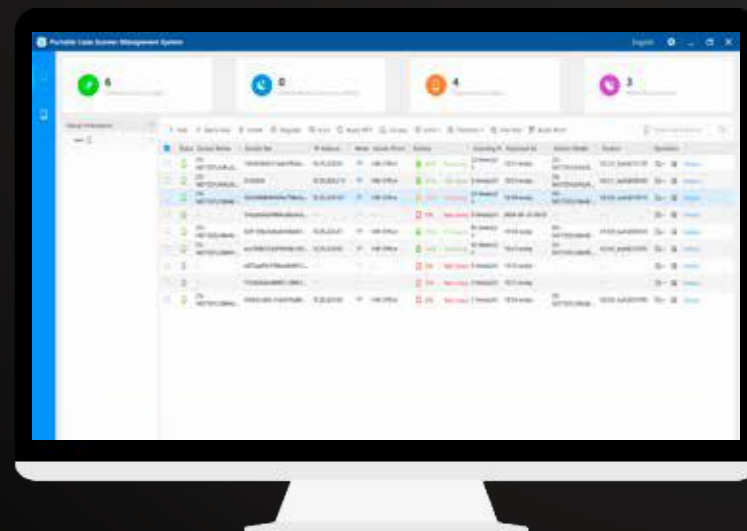
- Install / upgrade software remotely
- Remotely uninstall specified software from a device
- Device power status display
- Check the number of code scanning times of the device at any time
- Set the code scanning configuration of the device

### Permission setting

- TF card permission
- Wi-Fi permission
- NFC permission
- Camera permission
- USB permission

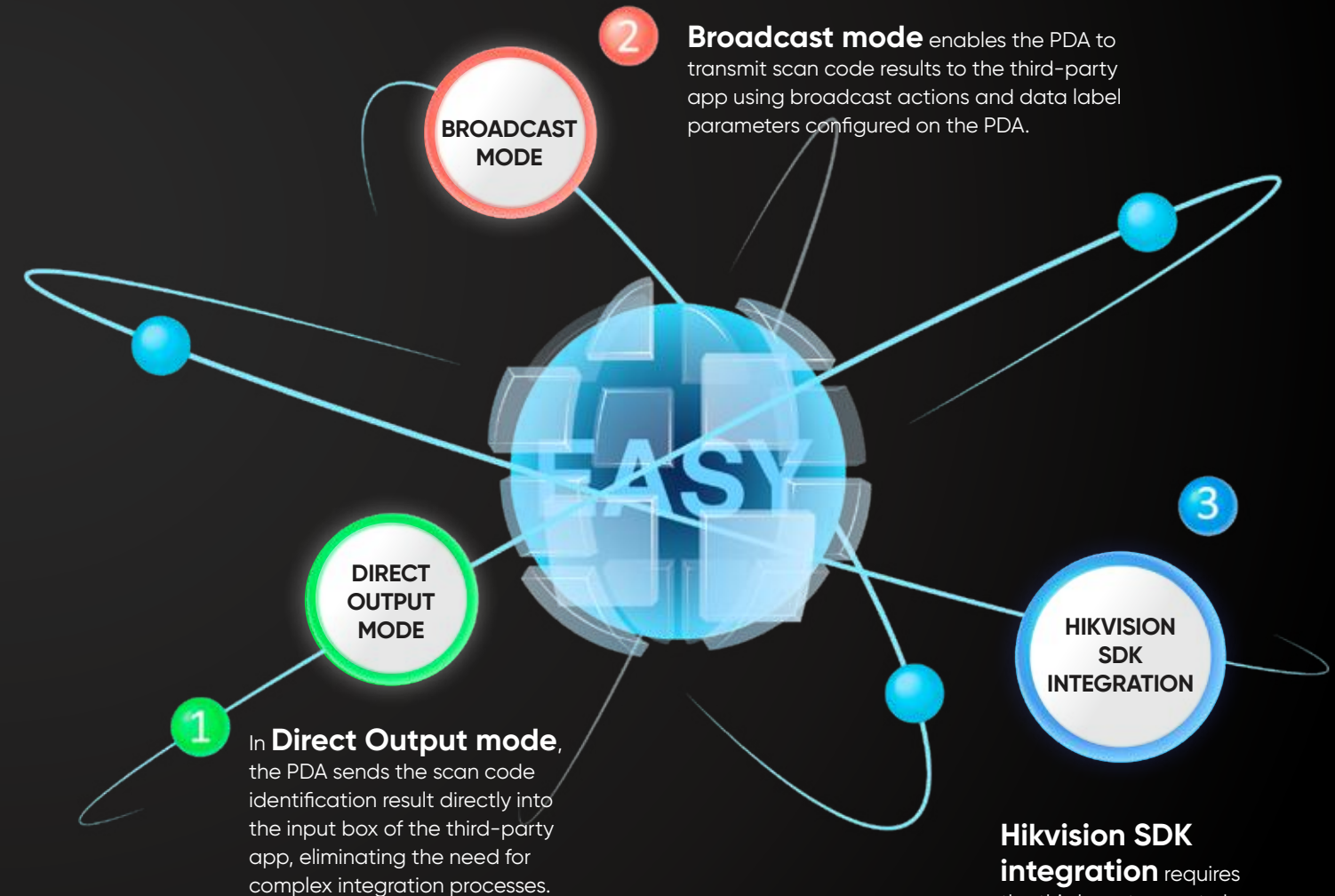
### Remote maintenance

- Remotely obtain device running logs for maintenance
- Find devices remotely to prevent loss



# Easy Third-party Integration

Our PDAs seamlessly integrate with third-party applications through three docking modes: Direct Output, Broadcast, and Hikvision SDK. With these flexible integration options, our PDAs provide enhanced compatibility, versatility, and a seamless user experience, enabling efficient interactions with a wide range of third-party apps.



**Hikvision SDK integration** requires the third-party app to be developed in collaboration with the Hikvision SDK, ensuring compatibility and advanced functionality.



**HIKVISION**<sup>®</sup>



# Full-screen enterprise PDA DS-MDT200

Convenient and efficient commodity information and inventory querying

- Compact and portable design
- Long-lasting battery
- Comprehensive full-screen display
- Narrow bezel design for enhanced clarity
- High protection levels
- Advanced barcode scanning and OCR technology



- A 1 MP global shutter
- Android 11 operating system
- 5.0" capacitive touch screen; Corning Gorilla glass
- 8 Cores Processor, 2.0 Ghz
- 4+64GB, up to 256 GB TF card
- Wi-Fi, 4G, Bluetooth 5.0, NFC, GPS, BeiDou, Glonass
- Type-C earphone, USB High-speed, OTG, fast charging
- 4500 mAh Lithium-ion battery, integral
- Industrial protection: IP68; 1.5 m anti-fall
- Standard accessories: Hand strap, USB cable, AC adapter
- Optional accessories: Scan Handle

# Full-screen enterprise PDA DS-MDT200



## Features for higher efficiency & productivity



### Rugged design

- IP68 ingress protection
- Withstand 1.5 m free drop



### 5-inch color display

- Seamless viewing experience



### Corning gorilla glass

- Scratch and drop resistant



### Android 11.0 operating system

- User-friendly operating experience



### Enhanced brightness

- Ensure clear visibility even in bright sunlight



### Comfortable one-handed use

- Economic design for easy, one-handed operation



# Full-screen enterprise PDA DS-MDT201

Ensure speed and accuracy of data input in the whole process of warehouse management

- 5.5-inch full-screen display
- Long-lasting battery
- High protection levels
- Advanced scanning capabilities and OCR technology
- Extensive connectivity interface options: 4G & Wi-Fi

- A 1 MP global shutter sensor and lighting system
- Android 10 operating system
- 5.5" capacitive touch screen; Corning Gorilla glass
- 8 Cores Processor, 2.0 Ghz
- 4+64 GB, and up to 256 GB TF card
- Wi-Fi, 4G, Bluetooth 5.0, NFC, GPS, BeiDou, Glonass
- 4900 mAh high-capacity, Lithium-ion battery, integral
- Industrial protection: IP68; 1.5m anti-fall
- Standard accessories: hand strap, USB cable, AC adapter
- Optional accessories: single charging cradle, 6-slot Charging Cradle, Scan Handle, screen protection film, Rubber Boot



# Full-screen enterprise PDA DS-MDT201



## Features for higher efficiency & productivity



### Rugged design

- IP68 ingress protection
- Withstand 1.5 m free drop



### Intelligent analytics

- License plate recognition (with custom app)
- Facial recognition (with custom app)



### NFC

- Near-field communication for easy identification



### Long battery life

- 4900 mAh battery
- Up to 500 hours standby\*



### Fluid scanning experience

- Efficient barcode recognition with deep learning algorithms
- Customizable Optical Character Recognition (OCR)



### Cargo traceability

- HD top camera for visual tracing of cargoes
- Supplemental light for excellent imagery in challenging conditions



### Powerful scan engine

- Recognizes over 30 types of 1D & 2D barcodes
- Recognizes abnormal barcodes caused by wrinkles, ink overflow, etc.

\*Data from Hikvision laboratory



# Full-screen enterprise PDA DS-MDT202

Reliable performance, durability, and extended battery life for uninterrupted workflow



- 5.45-inch full touchscreen PDA
- Long-lasting replaceable battery
- High protection levels
- Advanced scanning capabilities and OCR technology
- Android 14 operating system, supports Google GMS server



- A 1 MP global shutter sensor and lighting system
- Android 14 operating system
- 5.45" capacitive touch screen, corning Gorilla glass
- 8 cores processor, 2.0 Ghz
- 4+64 GB, and up to 512 GB TF card
- Wi-Fi, 4G, Bluetooth 5.0, NFC, GPS, BeiDou, Glonass
- 5000 mAh high-capacity, Lithium-ion battery, replaceable
- Industrial protection: IP67; 1.5 m anti-fall
- Standard accessories: hand strap, USB cable, AC adapter

# Full-screen enterprise PDA DS-MDT202



## Features for higher efficiency & productivity



### Rugged design

- IP67 industrial protection
- 1.5 m anti-fall



### Reliable battery

- 3.85 V, 5000 mAh battery
- Up to 500 hours standby time\*
- Hot-swap: change battery without powering off



### Google mobile services

- The latest Android 14 OS
- Integrated Google applications
- Facial recognition (with custom app)



### Megapixel camera

- 1 MP GS sensor & lighting system
- 5 MP front camera, 13 MP rear camera



### Fluid scanning experience

- Efficient barcode recognition with deep learning algorithms
- Customizable Optical Character Recognition (OCR)



### Cargo traceability

- HD top camera for visual tracing of cargoes
- Supplemental light for excellent imagery in challenging conditions



### Powerful scan engine

- Recognizes over 30 types of 1D & 2D barcodes
- Recognizes abnormal barcodes caused by wrinkles, ink overflow, etc.

\*Data from Hikvision laboratory



# Short keyboard enterprise PDA DS-MDT301

Automatic collection of warehouse data with swift and accurate data input



- Effortless scanning with 25% slanted scan button
- Quick and comfortable scanning with ergonomic design
- Minimize costs with replaceable battery
- Advanced scanning capabilities and improved efficiency
- Enhanced durability with high-level protection



- A 1 MP global shutter sensor and lighting system
- Android 10 operating system
- 4.0" capacitive touch screen; Corning Gorilla glass
- 8 Cores Processor, 2.0 Ghz
- 4 GB RAM, 64 GB ROM, up to 256 GB TF card
- Wi-Fi, 4G, Bluetooth 5.0, NFC, GPS, BeiDou, Glonass
- 5200 mAh high-capacity, removable battery
- Industrial protection: IP65; 1.5m anti-fall
- Standard accessories: Wrist Strap, USB cable, AC adapter
- Optional accessories: single charging cradle, 6-slot Charging Cradle, Rubber Boot

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# Short keyboard enterprise PDA DS-MDT301



## Features for higher efficiency & productivity



### Rugged design

- IP65 ingress protection
- Withstand 1.5 m free drop



### Long battery life

- 5200 mAh removable battery
- Up to 500 hours standby\*



### Intelligent analytics

- License plate recognition (with custom app)
- Facial recognition (with custom app)



### NFC

- Near-field communication for easy identification



### Fluid scanning experience

- Efficient barcode recognition with deep learning algorithms
- Customizable Optical Character Recognition (OCR)



### Cargo traceability

- HD top camera for visual tracing of cargoes
- Supplemental light for excellent imagery in challenging conditions



### Powerful scan engine

- Recognizes over 30 types of 1D & 2D barcodes
- Recognizes abnormal barcodes caused by wrinkles, ink overflow, etc.



### Google Mobile Service(optional)

- The latest Android 13 OS
- GMS offers integrated Google applications such as Gmail, Google Maps and Google Play Store.

\*Data from Hikvision laboratory



# PAD enterprise PDA DS-MDP004

Boost productivity with a reliable  
10.1" Android tablet

- Paperless operations
- Easily portable with compact design
- High industrial protection levels
- Advanced scanning capabilities and OCR technology
- Extensive connectivity interface options: 4G & Wi-Fi
- Ideal for outdoor scenarios



- A 1 MP global shutter sensor and lighting system
- Android 9.0 operating system
- 10.1" capacitive touch screen; IPS LTPS 1920x1200
- 8 Cores Processor, 1.8Ghz
- 4+64 GB, up to 512GB TF card
- Wi-Fi, 4G, Bluetooth 4.2, NFC, HDMI, GPS, BeiDou, Glonass
- 8800mAh high-capacity, Lithium-ion battery, integral
- Industrial protection: IP67; 1.2m anti-fall
- Standard accessories: Wrist Strap, USB cable, AC adapter
- Optional accessories: Scan Handle

# PAD enterprise PDA DS-MDP004



## Features for higher efficiency & productivity



### Rugged design

- IP67 industrial protection
- 1.2 m anti-fall



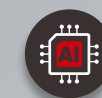
### Megapixel camera

- 1 MP GS sensor & lighting system
- 5 MP front camera, 13 MP rear camera



### Reliable battery

- 3.85 V, 8800 mAh battery
- Extended battery life



### Fluid scanning experience

- Efficient barcode recognition
- Deep learning algorithms



### Feature-rich interfaces

- Supports HD image and video
- Supports HDMI output for display



### Powerful scan engine

- Supports long-distance scanning
- Recognizes over 30 types of 1D & 2D barcodes



# Long keyboard enterprise PDA DS-MDT501

Contribute to digitization and automation of logistics processes, and improve the operational efficiency



- Ergonomically designed handle for optimal grip and ease of use
- Seamless keyboard integration with ERP/WMS systems
- High level of protection and durability
- Backup battery to prevent data loss during power outages
- Advanced capability for abnormal code reading and OCR technology

- A 1 MP global shutter sensor and lighting system
- Android 11.0 operating system
- 4.0" capacitive touch screen; 800 x 480 pixel
- 8 Cores Processor, 2.0 Ghz
- 4+64 GB, and up to 256 GB TF card
- Wi-Fi, 4G, Bluetooth 4.2, NFC, HDMI, GPS, BeiDou, Glonass
- 37 Physical keyboard+5 Side keys
- Hot-swap battery: 5200 mAh + 50 mAh
- Industrial protection: IP65
- Standard accessories: Wrist Strap , USB cable, AC adapter
- Optional accessories: Scan Handle

# Long keyboard enterprise PDA DS-MDT501



## Features for higher efficiency & productivity



### Long keyboard design

- Backlit, 37 front keys + 5 side Keys
- More comfortable for extended periods of holding



### Reliable battery

- 5200 mAh + 50 mAh battery
- Hot-swap: change battery without powering off



### Megapixel camera

- 1 MP GS sensor & lighting system
- 5 MP front camera, 13 MP rear camera



### Fluid scanning experience

- Efficient barcode recognition
- Deep learning algorithms



### Robust protection

- IP67 industrial protection
- 1.5 m anti-fall



### Powerful scan engine

- Supports long-distance scanning
- Recognizes over 30 types of 1D & 2D barcodes



# Long handle enterprise PDA DS-MDT501/DPM\*

Solve laser marking recognition challenges on PCBs and metal surfaces in industrial settings, enhancing manual efficiency

Our innovative DPM is powered by advanced **AI scanning** capabilities, achieving unparalleled reading ability for various codes, including low contrast, dot peen, and curved, reflective, or colored backgrounds. It can be perfectly applied in scenarios like electronic product production, auto parts manufacturing, semi-conductor fabrication, and more.



- A 1 MP global shutter sensor and lighting system
- Android 11.0 operating system
- 4.0" capacitive touch screen; 800 x 480 pixel
- 8 Cores Processor, 2.0 Ghz
- 4+64 GB, and up to 256 GB TF card
- Wi-Fi, 4G, Bluetooth 4.2, NFC, HDMI, GPS, BeiDou, Glonass
- 37 Physical keyboard+5 Side keys
- Hot-swap battery: 5200 mAh + 50 mAh
- Industrial protection: IP65
- Standard accessories: Wrist Strap , USB cable, AC adapter

\*DPM (Direct Part Marking ) involves directly marking parts with codes for permanent identification and traceability. It is widely used in industries like automotive, aerospace, healthcare, and electronics for tracking parts and ensuring quality control.

# Industrial Handle Scanner, Designed for DPM Code DS-MDT501/DPM



## Features for higher efficiency & productivity

- |   |  |
|---|--|
| <p><b>Multi-color supplemental light</b></p> <ul style="list-style-type: none"> <li>· White / Red / Green / Blue</li> <li>· Multi-color diffuse illumination</li> </ul> | <p><b>Fluid scanning experience</b></p> <ul style="list-style-type: none"> <li>· Efficient barcode recognition</li> <li>· Deep learning algorithms</li> </ul>  |
| <p><b>Megapixel camera</b></p> <ul style="list-style-type: none"> <li>· 1 MP GS sensor &amp; lighting system</li> <li>· 5 MP front camera, 13 MP rear camera</li> </ul> | <p><b>Robust protection</b></p> <ul style="list-style-type: none"> <li>· IP67 industrial protection</li> <li>· 1.5 m anti-fall</li> </ul>  |
| <p><b>Reliable battery</b></p> <ul style="list-style-type: none"> <li>· 5200 mAh + 50 mAh battery</li> <li>· Hot-swap: change battery without powering off</li> </ul>   | <p><b>Powerful scan engine</b></p> <ul style="list-style-type: none"> <li>· Tri-color illumination and laser crosshair focusing</li> <li>· Optimized light reflection with multi-color diffuse illumination</li> </ul> |



# Industrial Barcode Scanner DS-MSH100

Efficient scanning. Trusted durability

- Supports continuous and batch read modes, enhancing reading efficiency in multi-code scenarios
- Plug and play USB interface, compatible with mainstream operating systems
- High-resilience keys
- Easy-to-read color codes, even for deformed or poorly printed barcodes
- Highly sensitive for fast and accurate reading of 1D & 2D codes
- Wireless transmission distance of up to 80 meters



- NPU+CPU
- 0.3 MP / 1.3 MP
- 2700 mAh battery for long standby time
- 2.4G wireless communication, stable and reliable signal
- Standard accessories: 2M data cable
- Drop height: 1.5 m, 50 times
- Ambient illumination: 0 lux to 100000 lux
- Communication protocol: SmartSDK, USB, 2.4G
- Sensor type: CMOS, global shutter
- Minimum 3mil

# Industrial Barcode Scanner DS-MSH100

Hikvision's industrial barcode scanners are specially designed for professionals across various industries and work settings, aimed at enhancing efficiency with:

- Instantaneous precision, reliable performance, and impeccable scanning quality
- Superior capability in scanning a diverse array of barcodes, even challenging inkjet and printing codes



## Dual-core NPU+CPU

- Efficient AI code reading



## White supplemental light

- Adapts to various barcode background colors



## Outstanding reading accuracy

- Up to 1.3 MP GMOS
- Minimum reading accuracy: 3 mil



## Industrial-level protection

- IP42 & 1.5 anti-fall protection



## Enhanced flexibility & convenience

- Plug & play, wired & wireless transmission
- Wireless range up to 80m
- Extended battery Life: 2700mAh

## Product Showcase



### DS-MSH100/13U/05S/W1

- 1.3 MP GMOS
- NPU+CPU, Deep Learning
- Cross laser aiming
- Minimum 3 mil
- USB & Serail
- Most 1D&2D codes, DPM



### DS-MSH100/13RF/05S/W1

- 1.3 MP GMOS
- NPU+CPU, Deep Learning
- Cross laser aiming
- Minimum 3 mil
- Wireless 2.4 Ghz (80 m Open space)
- Most 1D&2D codes, DPM



### DS-MSH100/03U/03S/W2

- 0.3 MP GMOS
- NPU+CPU, Deep Learning
- Orange LED aiming
- Minimum 5 mil
- USB & Serail
- Most 1D&2D codes, DPM



### DS-MSH100/03RF/03S/W2

- 0.3 MP GMOS
- NPU+CPU, Deep Learning
- Orange LED aiming
- Minimum 5 mil
- Wireless 2.4 Ghz (80 m Open space)
- Most 1D&2D codes, DPM