

# 7" Rugged Smart Android MDT

Hero-MDT-AT5 (V2)



## Key Feature`

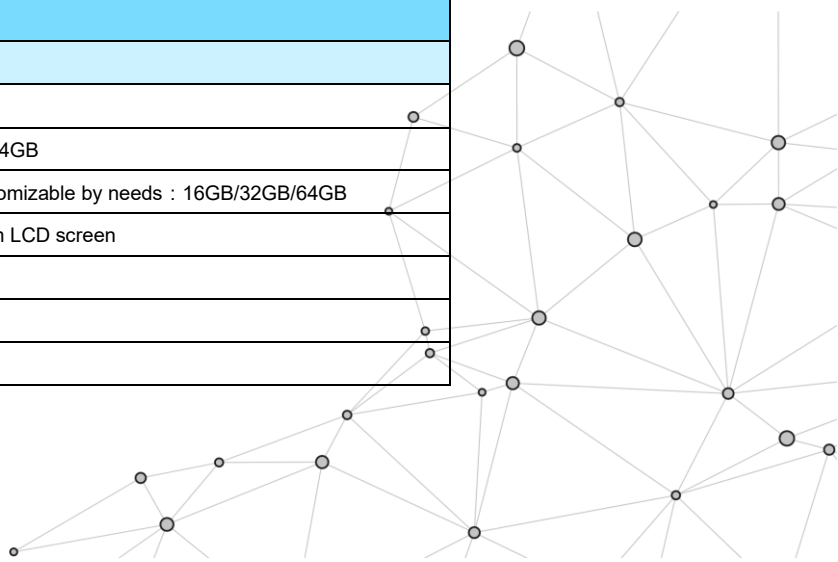
- Android 7.1 OS: faster and smoother interface
- More Powerful CPU, Quad core ARM Cortex-A17, 1.6GHz
- Better multi-tasking capability
- Powerful video recording: 2 ch 720p, 1ch1080p camera recording ability
- H.265 video decoding
- Ruggedized design for vehicle environment and operation
- 7-inch 1024\*600 capacitive multi-point touch control screen
- 2 /3 Axis Mounting Holder for pan/tilt installation
- Specialized RFID module

## Configuration

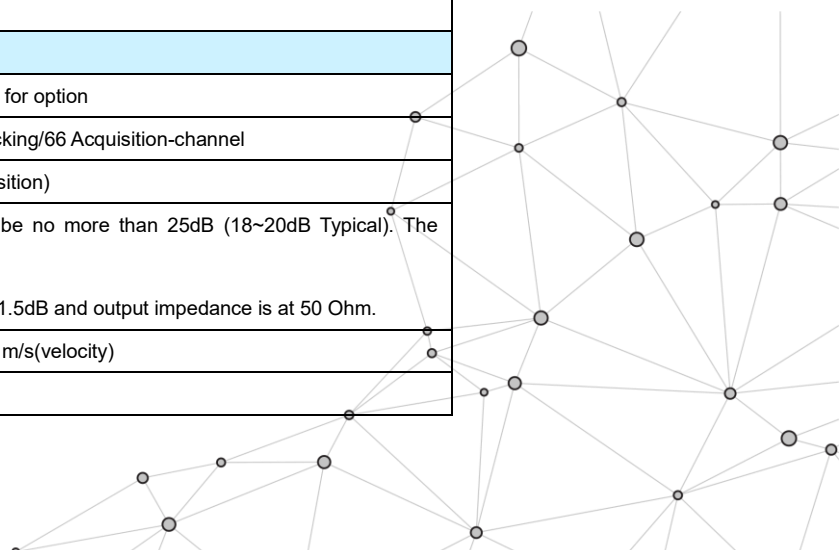
Model	Hero-MDT-AT5
<b>Hardware</b>	
<b>CPU</b>	Quad core ARM Cortex-A17, 1.6GHz
<b>RAM Memory</b>	DDR3 2GB(default) / customizable : 4GB
<b>Storage</b>	EMMC 8GB (default); storage is customizable by needs : 16GB/32GB/64GB
<b>Touch screen</b>	Capacity Screen: 7" 1024*600 5.7mm LCD screen
<b>Storage</b>	Support TF Card, Max 256GB
<b>USB OTG</b>	1 x USB 2.0 (Micro USB)
<b>USB Host</b>	2 x USB Host 2.0



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<b>UART</b>	2x RS232
<b>Output control</b>	1 x 12V(1A) control
<b>Input</b>	4 x input status detection
<b>Network port</b>	RJ45
<b>Pulse</b>	1
<b>Microphone</b>	1 ch built-in microphone
<b>Speaker</b>	Built-in 8R/2W size, 40mm. (optional audio output for external amplifier, Built in speaker will mute when external audio is on.)
<b>Video input</b>	2 ch 720p /1080p USB input. 2ch recording.
<b>Video output</b>	optional
<b>3G/4G</b>	Built-in. 3G/4G module optional.
<b>3G/4G Antenna</b>	built-in antenna
<b>GPS Antenna</b>	SMA external active GPS antenna
<b>Wi-Fi</b>	Built-in
<b>Bluetooth</b>	Built-in ( 4.0 )
<b>Wi-Fi Antenna</b>	Built-in antenna
<b>Software</b>	
<b>OS</b>	Android V7.1
<b>Audio format</b>	MPEG-3, WMA, etc.
<b>Video format</b>	MPEG-4, AVI, RMVB, etc.
<b>Picture format</b>	JPG, BMP, GIF, etc.
<b>Text format</b>	TXT
<b>TTS voice</b>	Support
<b>Image hard decoding</b>	H.264/H.265 decoding
<b>Navigation</b>	Support Android navigation software. Support pinch to zoom (capacitive screen)
<b>SDK</b>	Test APP and source code for programming guidance
<b>Communication</b>	
<b>3G/4G</b>	Support 3G and LTE modules optional. (PCI e mini card). WCDMA/HSDPA/HSUPA/HSPA+: Band 1, Band 8 GSM/GPRS/EDGE: 850 MHz/900 MHz/1800 MHz/1900 MHz
<b>DATA</b>	GPRS: UL 85.6 kbit/s; DL 85.6 kbit/s EDGE: UL 236.8 kbit/s; DL 236.8 kbit/s WCDMA PS: UL 384 kbit/s; DL 384 kbit/s HSPA+: UL 5.76 Mbit/s; DL 21.6 Mbit/s
<b>GSM Voice</b>	support
<b>Sensitivity</b>	-110dBm
<b>3G antenna gain</b>	3.3 dB
<b>GPS</b>	
<b>GPS/GNSS/BEIDOU module</b>	SKG12BL (default) / Ublox M8 series for option
<b>Receiver Type</b>	L1 frequency band, C/A code, 22 tracking/66 Acquisition-channel
<b>Sensitivity</b>	-165dBm (tracking), -148dBm (Acquisition)
<b>GPS antenna gain</b>	The gain of active antenna should be no more than 25dB (18~20dB Typical). The maximum noise figure should be no more than 1.5dB and output impedance is at 50 Ohm.
<b>Accuracy</b>	3.0m CEP50 without SA(position),0.1m/s(velocity)
<b>Acquisition Time</b>	23s (cold start)



	23s (warm start) 1s (hot start) <1s (Re-Acquisition)
<b>Upload frequency</b>	Default 1 Hz,Max10H
<b>General</b>	
<b>Power</b>	8-32V
<b>Power consumption</b>	<10W
<b>Dimension</b>	29*123*193mm
<b>Working temperature</b>	-20°C ~ +80°C
<b>Storage temperature</b>	-40°C ~ +80°C
<b>Protection</b>	IP54
<b>Vibration test</b>	5-300HZ, 2G

## Dimension

