



# HMT-1Z1

## product specifications



Process Safety and Reliability Group

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### Core platform & functions

Operating System	Android 8.1 (AOSP) + WearHF™ hands-free interface
Chipset	2.0 GHz 8-core Qualcomm® Snapdragon™ 625 with Adreno 506 GPU - OpenGL ES 3.1 & OpenGL 2.0
Memory	16 GB Internal Storage / 2 GB RAM / MicroSD slot (max card supported 64 GB)
Included Applications	Document Navigator, Camera with Barcode Reader, Video Recorder, Media Player
Languages Supported	English, Spanish, French, German, Italian, Portuguese, Russian, Mandarin Chinese, Japanese, Korean, Thai, Polish

### Connectivity & sensors

Bluetooth	Bluetooth Low Energy 4.1
Wi-Fi	802.11 a/b/g/n/ac – 2.4GHz and 5GHz
GPS and Location	GPS, GLONASS, A-GPS
IMU	9-DOF (3-axis accelerometer, magnetometer, and gyroscope), software enhanced stabilization

### Battery

Capacity	3400 mAh/12.24 Wh Li-Ion, non-removable, rechargeable; charging cable contains an inline “safety box”
Battery Life	Full shift (8-10 hrs) with typical use

### Physical characteristics

Weight	430 g
Ruggedization	Intrinsically Safe, 2 meter drop, IP66, MIL-STD-810G
Dedicated keys	Power key, application specific action key
Ports	3.5mm audio, 1 micro-USB for data and charging
Boom arm	Adjusts six ways for all head sizes, left or right eye compatible, display flips out of way when not in use

### Display

Type	20° field-of-view, 1 meter fixed focus, 24-bit color LCD, 0.33 inch diagonal, outdoor visible
Resolution	WVGA (854x480)

### Audio

Microphones	4 digital microphones with active noise cancellation
Speaker	Accurate voice recognition even in 95 dBA of typical industrial noise

### Multimedia

Camera	16 MP 4-axis optical image stabilization, PDAF with LED Flashlight
Video	Up to 1080p @30fps. Codecs: VP8, VP9 and hardware encoding support for H.264, H.265 HEVC

### Accessories

Included	Overhead strap and rear pad (not attached), and intrinsically safe inline safety box charging cable
Optional	Hard hat clips, Intrinsically Safe ear bud hearing protection headphone rated at 33dB noise reduction rating (NRR), replacement overhead straps, and rear pads.