I.I.S.
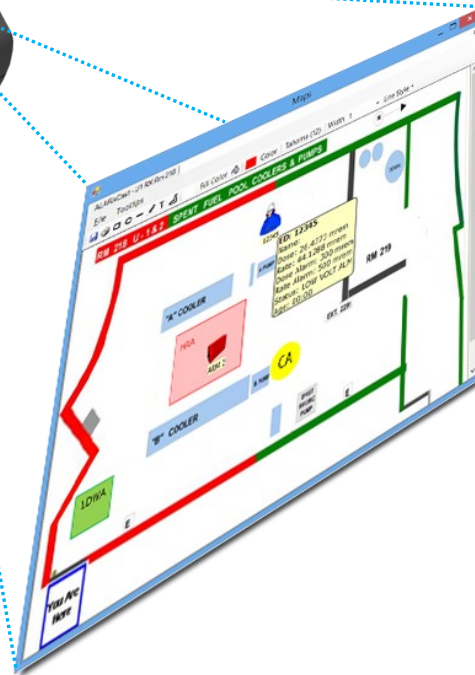# HMT-1

World's first hands-free Android™ tablet class wearable computer for industrial workers.

- Provides the foundation for Connected Worker programs

- Use it in wet, dusty, hot, dangerous and loud industrial environments

- Rugged head-mounted device, it optionally snaps into safety helmets or attaches to bump caps and can be used with safety glasses or corrective eyewear

- high-resolution micro display fits just below your line of sight and views like a 7" tablet

- optimized for completely hands-free voice control

- remote video calling, document navigation, guided workflow, mobile forms and industrial IoT data visualization

100% Hands Free: Voice based operating system, local speech recognition in loud areas

Unmatched Noise Cancellation: 4 Digital mics and advanced algorithms

Powerful Audio: Integrated speaker and 3.5mm audio jack for use with hearing protection

PPE Compatible: Designed to work with standard hard helmets, bump caps and safety glasses

Full Shift Internal Battery: Field Swappable for continuous use

Outdoor Display: Appears size of 7" tablet, viewable in sunlight

Waterproof: IP66 - Protected against powerful jets of water

Dust Tight: IP66 - Complete protection against the ingress of micro particles

Drop Proof: Resistant to 2 meter drops onto concrete from any angle

Built Rugged: Fully operational from –4˚ F to 122˚ F

I.I.S.
HMT-1

Hard Hat Mounted

Bump Cap Mounted

I.I.S.
HMT-1

I.I.S. WiFi Mobile Camera

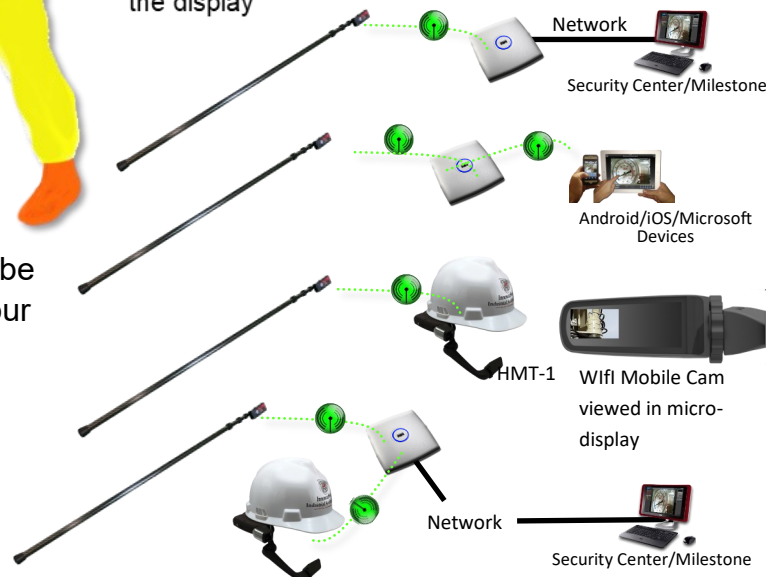WiFi: 802.11 a/b/g/n/ac-2.4GHz - 5 GHz

I.I.S. HMT-1

Shown with helmet clip option

Recently deployed in a US Nuclear Plant: During movement of a large component (Heavy Load) an interference caused the process to stop. Due to the fact they would be working under this Heavy Load and it was in a LHRA, it was going to be very difficult to inspect in a timely fashion. Within 5 minutes, they were able to attach the I.I.S. Mobile WiFi Camera to a pole which allowed them to view the obstruction and not enter the LHRA to do so.

Adding the HMT-1 allows personnel to view what the WiFi Mobile Camera sees in the display

Network
Security Center/Milestone

Android/iOS/Microsoft Devices

HMT-1   WIfI Mobile Cam viewed in micro-display

Network
Security Center/Milestone

The I.I.S. Carbon Fiber Pole with a mounted WiFi Mobile Camera can send it's data directly to the HMT-1 that can be viewed in the display or the HMT-1 when connected to your wifi network, running the Security Center Mobile App, the Mobile WiFi Camera setup in Security Center can be a viewable camera in the HMT-1 display. The HMT-1's on board camera can also be viewed simultaneously in Security Center as well.

Innovative Industrial Solutions

I.I.S. HMT-1

Core Platform & Functions	
Operating System	Android 6.0.1 (AOSP) + WearHF™ hands-free interface
Chipset	2.0 GHz 8-core Qualcomm® Snapdragon™ 625 with Adreno 506 GPU - OpenGL ES 3.1 & OpenCL 2.0
Memory	16 GB Internal Storage / 2 GB RAM / MicroSD Slot
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

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

Battery	
Capacity	3250 mAh Li-Ion, rechargeable and field swappable
Battery Life	Full shift (9-10 hrs) with typical use

Physical Characteristics	
Weight	380 g
Ruggedization	2 meter drop, IP66, MIL-STD-810G
Dedicated Keys	Power key, application specific Action key
Ports	3.5mm audio, 1 micro-USB, 1 USB Type-C
Boom Arm	Adjust 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 Accurate voice recognition even in 95 dBA of typical industrial noise
Speaker	Internal 91 dB loudspeaker

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	Battery Wall Charger, USB Type-C Charging Cable
Optional	Spare Battery, 6 Battery Multi-Charger, Hard Hat Clips, Bump Cap and Tri-Band Strap, Ear Bud Hearing Protection Headphone rated at 33dB noise reduction rating (NRR), Soft Pouch Carrying Case, Semi Rigid Carrying Case, replacement Overhead Straps and Rear Pads