

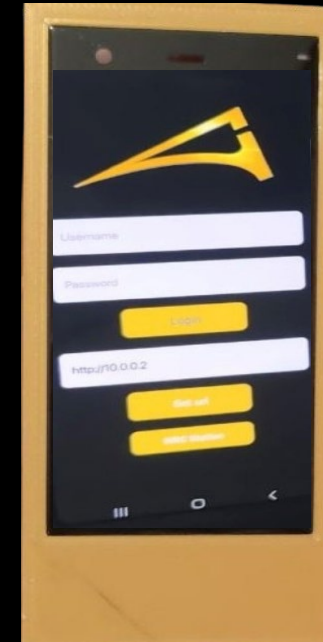


# The MIDAS Device

MIDAS Device

## REVOLUTIONARY ALL-IN-ONE DEVICE

- Fully Integrated, Silicon photodiode Electronic Dosimeter 7Ur to 10,000 R
- WiFi Enabled Telemetry System showing personnel and Area Rad monitor data
- RWP Access Control System connection through Midas touchscreen
- Stream the video to the desktop like a body cam for each user in the field
- Two-way Communication Device WiFi from Midas device.
- Real-Time Location System (VPS) AI allows electronic barriers to provide information quickly. Caution: You are not qualified for this task! RWP required for entry, etc.

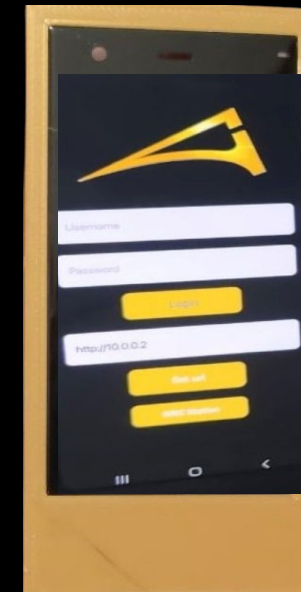




# MIDAS Tele-Dosimetry Specifications



- Fully Integrated, Alarm Capable, Electronic Dosimeter
  - Silicon Photodiode Gamma & Xray detector
  - Range from 7  $\mu$ R/hr to 10,000 R/hr.
  - Tissue equivalent (Validation Pending).
  - Optional Beta Window.
  - Weighs less than 100 grams
- Wi-Fi Enabled Telemetric System
  - Automatically transmits all data to the Aurum System.
    - Dose & Dose Rate.
    - Location.
    - Optional Haptic Feedback.
- Communication Device
  - Call between MIDAS Devices to anyone on the Aurum System.
  - Stream video back to network desktops like a body Cam.
  - Bluetooth compatible – Connect to Bluetooth headsets for hands-free communication.

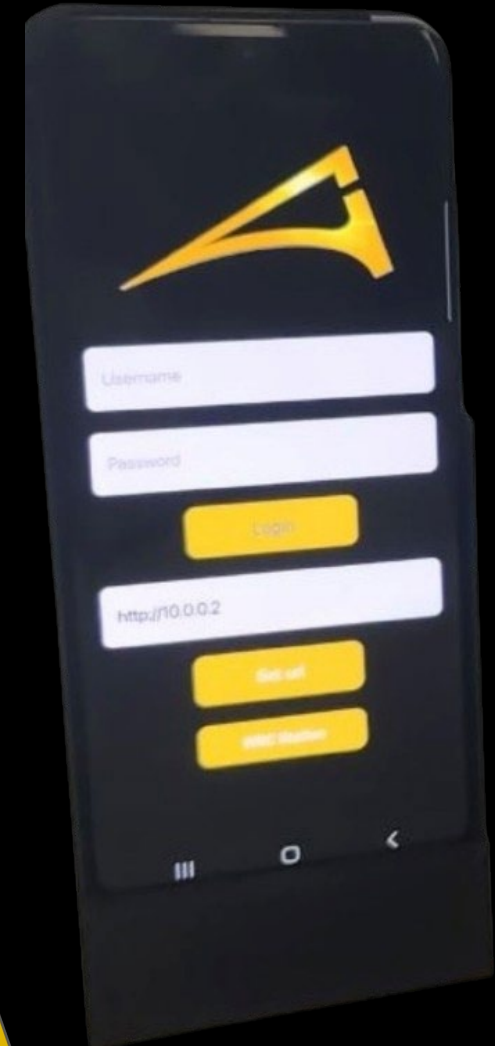


MIDAS Device



# Advanced Area Radiation Monitor “Work Station”

- Work-Station (WS)
  - One-way video and two-way audio streaming to a Hololens 2 or Desktop User using WiFi calling or 4G.
  - Maintain constant contact with work in any location.
  - Increase the capability of RP/HPs by up to four times
  - Monitoring Dose & Dose rate during work.
  - Using a dual GM detector for Radiation Monitoring for surveys
  - Location provided for WS Work-Station to the desktop via RTLS
  - Stream 4 workstations into Hololens2 for remote job coverage

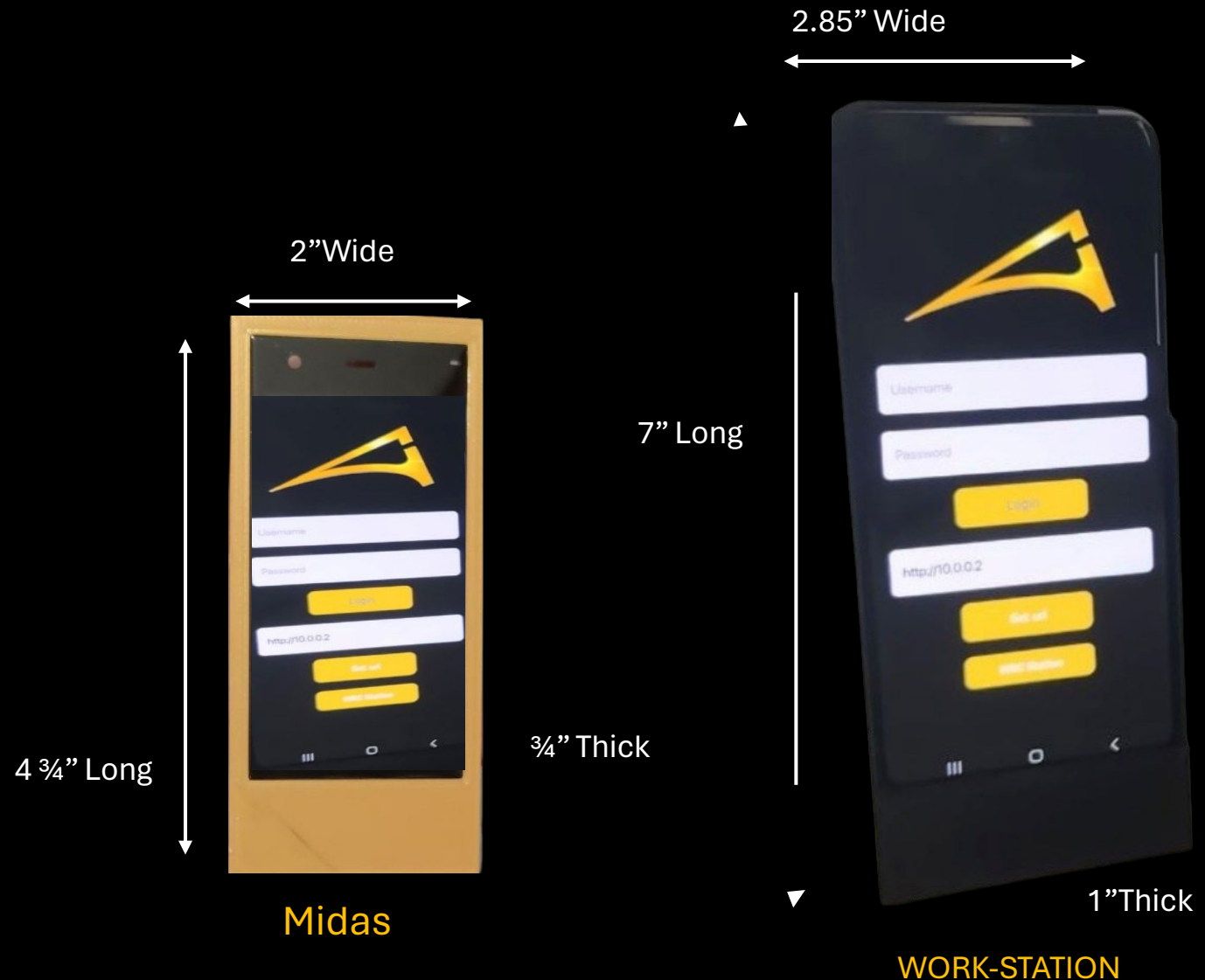


**WORK-STATION**



# Work Station And Midas New Aurum Devices

- Work-Station (WS)
  - Wireless fixed video camera WiFi & 4G
  - Dual GM Area Rad Detector and Survey meter 7uc/r to 10k R
  - 2 Way audio communications & RTLS Technology
- Midas Using AURUM Operating System
  - Silicone Photo diode 7Ur to 10,000 R Dosimeter
  - 2-way audio
  - One-way video stream to desktop/Hololens2
  - RTLS technology with 6" to 1-foot resolution with AI assistant
- AURUM System Connectivity
  - Access Control Dosimetry and RWP
  - Radiation Survey Program
  - Any data base
  - All instruments and Gauges

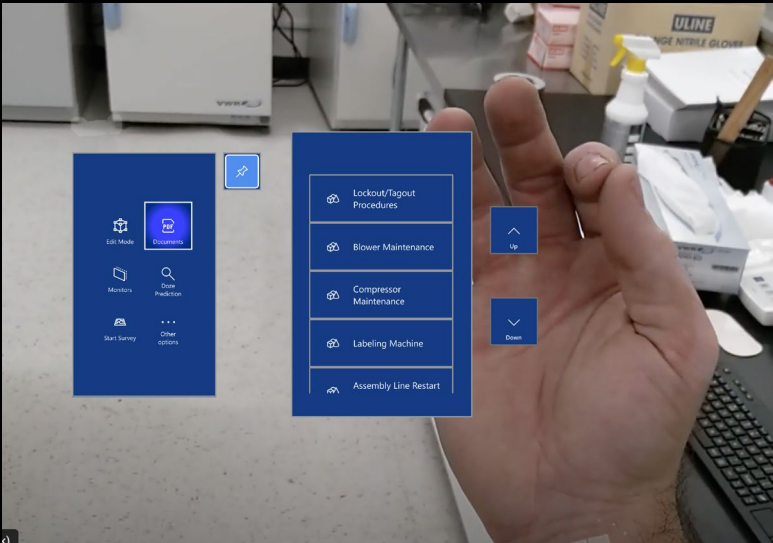




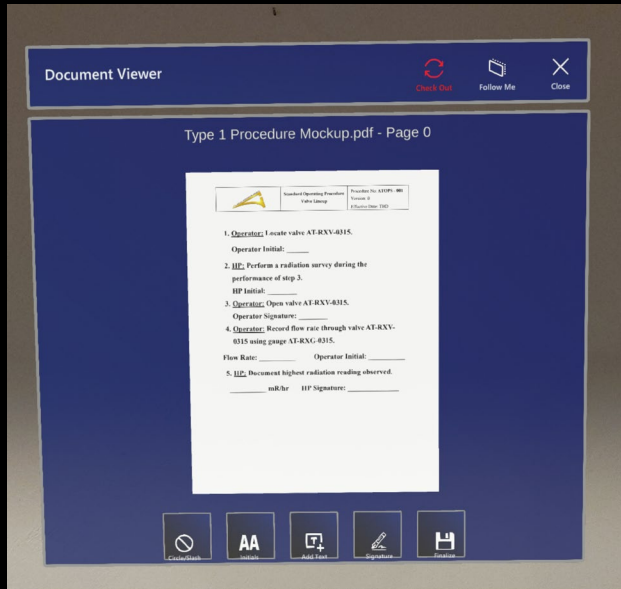
# Hands Free, Electronic, Documentation

Aurum provides a revolutionary hands-free documentation system so you can complete procedures quickly, efficiently, and securely with simple hand gestures.

## Menu



## Document



- Full Procedure/Form Documentation Suite
- Customizable Format
  - Electronic Forms
  - PDF Form edit capability
  - Checklists
- Automatic Date/Time Stamp
- Secure Signature/Initial
- Data Input
- New Saving System
  - Customizable
- Shared Environment



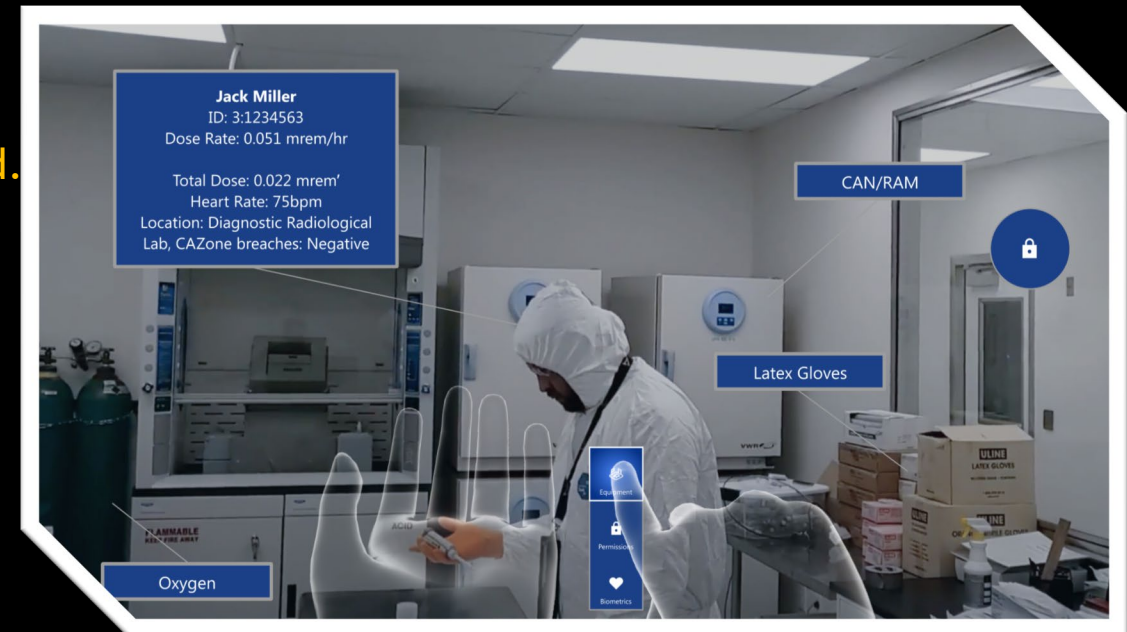
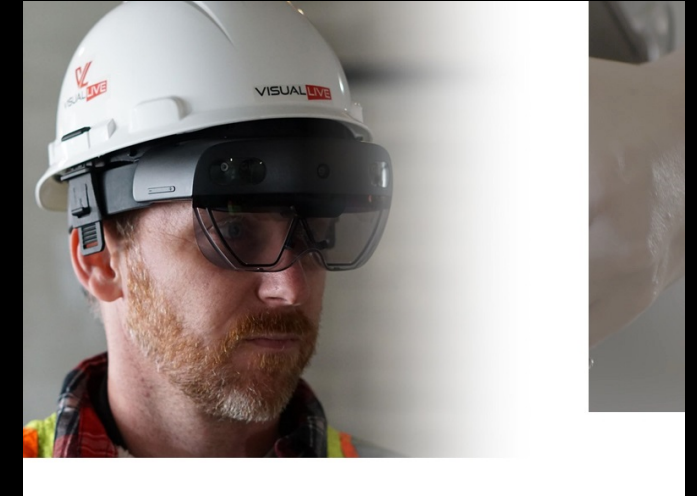




# Microsoft HoloLens2 Application

Designed with Field Deployed Professionals in mind, Aurum provides a more efficient, and easier, way to do business.

- See instruments through walls, floors, ceilings, etc. with a simple glance.
- Set personal alarm setpoints and get notified before there's a problem.
- Interact with instrumentation.
- Hands Free procedure and document use.
- View worker data above their head, as you look at them.
- See facility Points of interest and be led to them if needed.
- Perform, and record, field measurements.
- Communicate with SMEs through Aurum Assist.





# VPS Visual Positioning System With Heat Map

Aurum Provides RTLS Technology and Heat Map dose rate by utilizing the Midas device. Aurum RTLS AI creates a digital twin of the area you are in. This provide 6" to 1 foot resolution.

