

SAMSUNG

Health and human performance

Optimize human performance for every mission

Samsung health and human performance solutions help law enforcement, first responders and defense agencies enhance the way they prepare, perform and recover from physically and mentally demanding missions. Featuring our advanced biometric sensors and GPS technology, Samsung wearables produce accurate, easily consumable and highly secure data on devices that are simple to deploy and manage.

Our history of developing proven mobile solutions for defense and public safety enables us to bring the power of innovative wearable technology to health and human performance.

Key features



Mission-ready wearables tested and certified for the harshest environments^{1,2}



Simplified wearable security and manageability with Knox Manage



Advanced sensor technology and AI-enhanced data analytics



Seamless integration with diverse networks and human performance apps



Proven smartphones and tablets for visibility and connectivity in the field or command post



Robust partner network for tailored solutions to meet unique customer needs

Samsung brings the power of innovative wearable technology to health and human performance



Improve training and optimize pre-mission performance

- Precision wearables support training for the most physically and mentally demanding missions.
- Advanced biometric sensor technology collects and aggregates physiological data.
- AI-enhanced data analytics optimize performance insights.
- Versatile tablets and smartphones analyze and visualize training data to chart progress in the field.



Maximize team performance in the field and expedite support

- Samsung wearables capture and monitor highly accurate physiological and location data in the field.
- Human performance insights seamlessly integrate with situational awareness apps on tablets and smartphones.
- Vital signs and location data are delivered to the cloud in real-time across cellular and mesh radio networks.
- Command centers monitor alerts to expedite decisions, deploy support and inform triage in the field.



Accelerate rehabilitation and return to service fully recovered

- Pre-packaged kits designed for personalized rehab and recovery.
- Wearables monitor metrics and track recovery progress in real-time.
- Tablets and smartphones visualize recovery progress and connect with remote care providers.
- Analytics leverage human performance insights all along the recovery journey to ensure a complete recovery before re-entering the field.

Health and human performance solutions at a glance



Wearables

Galaxy Watch/Watch Ultra and Galaxy Ring



Smartphones and tablets

Galaxy Tactical Edition smartphones and rugged tablets for data visualization and dashboards



Security and management

Knox Manage to secure, deploy and manage wearables³



Federal use cases



Military

From basic training to boots on the ground, Samsung health and human performance solutions analyze the performance of military operators to maximize readiness, improve situational awareness, and enhance battlefield medical care in casevac situations. Built to train in the harshest environments, health and human performance solutions feature AI-powered biometric and GPS sensors to track every run, training exercise and sleep. Tested and proven by operators, our mission-ready IP68-rated MIL-STD 810H wearables interoperate with ATAK on our tactical smartphones and tablets for deeper situational awareness on-mission.^{1,2} The dual-frequency GPS in our wearables provides more precise blue force tracking, even without an EUD, to expedite support when and where it is needed most.⁴ Real-time vital monitoring through mobile health applications, such as BATDOK, helps medics manage triage care and casevac more effectively. When injuries occur, Samsung health and human performance solutions help tailor recovery plans, track physiological progress toward reconditioning goals, and monitor adherence to temporary duty restrictions, ensuring a complete recovery to get back in the fight faster.⁵



Federal Law Enforcement

Whether advancing skills in the academy or enforcing laws in real-world scenarios, Samsung health and human performance solutions provide federal law enforcement and homeland security professionals with accurate and secure AI-enhanced biometric data to improve the way they train for and execute their missions. Samsung wearables with BioActive sensors and dual-frequency GPS monitor health and location data in the field to identify when officers need assistance. Samsung health and human performance solutions are IP68-rated and meet MIL-STD 810H requirements, enabling them to go where the job takes them, spanning geographically diverse operating environments where harsh terrain and varied threats require optimal focus at all times.^{1,2} Off-duty, advanced physiological metrics facilitate faster mental and physical recovery from the rigors of duty.⁵



Public safety use cases



State and local law enforcement

In their efforts to protect and serve the community, police officers rely on Samsung health and human performance solutions to function at their peak as they train, perform and recover. Through running, strength training, de-escalation drills and defensive driving courses, Samsung health and human performance solutions use advanced sensors and GPS technology to track physiological metrics at every stage in a cadet's journey through the academy. During routine traffic stops, drug interdiction operations, or community policing, Samsung health and human performance solutions enable commanders and dispatchers to monitor an officer's vitals and precise location,⁴ thereby expediting backup or medical attention in officer-down scenarios. When officers are injured in the line of duty, Samsung health and human performance solutions facilitate adherence to recovery programs and departmental policies to clear officers for duty faster and fully recovered.⁵



Firefighters and EMS

Samsung health and human performance solutions help firefighters and EMS personnel tackle some of the most physically and mentally demanding scenarios while putting their lives on the line every day. Whether completing ladder and hose drills, patient evacuation or scenario-based simulations, Samsung health and human performance solutions monitor trainee vitals and performance to ensure they are ready for high-pressure, real-world situations.³ On the scene of an accident or in smoke-filled buildings, Samsung health and human performance solutions are built to withstand the rigors of duty while monitoring the health and safety of in-field personnel. After their shift is over, Samsung health and human performance solutions support physical rehabilitation and mental wellness to ensure that firefighters and EMS personnel are rested and fully recovered when the next call comes in.

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1. Consistent with IP68 rating, water resistant in up to 5 feet of water for up to 30 minutes. Rinse residue / dry after wet. 2. These devices passed military specification (MIL-STD-810H) testing against a subset of 21 specific environmental conditions, including temperature, dust, shock / vibration and low pressure / high altitude. Real-world usage varies from the specific environmental conditions used in MIL-STD-810H testing. Samsung does not guarantee device performance in all extreme conditions. Rinse residue / dry after wet. 3. Requires separate license. 4. GPS accuracy may be affected by weather, atmosphere and other obstructions such as buildings and tall trees. 5. Not intended for medical use. Users should not interpret or take clinical action based on the device output without consultation of a qualified healthcare professional.