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Cumulative foot pressure image is a technique that has been researched in recent years as a way to identify individuals in video surveillance systems. This technique works by analyzing the pressure distribution on the ground when a person walks, which can be captured using specialized sensors embedded in the floor or footwear. By analyzing the pressure distribution over time, it is possible to create a unique "footprint" for each individual, which can be used to identify them in subsequent video footage. This technique has several advantages over other identification methods, such as facial recognition, as it is less affected by changes in lighting and posture, and is less susceptible to spoofing or impersonation. However, there are also some limitations to using cumulative foot pressure image summary for identity recognition. For example, it requires specialized sensors or footwear, which can be expensive and difficult to install. Additionally, it may not be suitable for crowded areas or areas with high foot traffic, as it may be difficult to accurately track individual footprints. Overall, while cumulative foot pressure image summary shows promise as a way to improve identity recognition in video surveillance systems, more research is needed to address its limitations and to determine its effectiveness in real-world applications.

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