

AERVISION
TECHNOLOGIES

AI & MACHINE LEARNING 'ON THE EDGE'

AERMEAL[®]

Revolutionise your food intake
monitoring with AerMeal[®],
the ultimate solution for all your
dietary tracking needs.

AerMeal[®] unlocks a new era in food intake
monitoring for aged care facilities, hospitals,
schools, gyms, and other organizations.



The AerMeal device is a sleek, modern food monitoring system. It features a tall, thin, light-colored vertical stand. At the top of the stand is a horizontal arm that holds a camera module. The camera module is cylindrical with a lens and some sensors. Below the stand is a dark, rounded base. On the right side of the base is a small, rectangular, dark screen or sensor array.

About AerMeal®:

AerMeal®, is a breakthrough technology that completely transforms the landscape of food monitoring and tracking. By utilizing state-of-the-art techniques, this device creates a precise 3D image of a user's meal, both pre and post-consumption.

With the integration of a dishwasher-safe adhesive chip, AerMeal® seamlessly detects the plate and assigns it to the specific user, linking the captured images to their individual profile. All data is safely stored on a secure cloud-based platform, providing unparalleled accessibility and backup capabilities.

With AerMeal®, you can ensure the highest level of transparency in food monitoring, enabling facilities to closely monitor quality, presentation, portion sizes, and nutrition tracking.

AerMeal® is also perfect for individuals who are looking to take greater control of their health and nutrition. The device makes it easy to track daily food intake and make healthier choices. With the help of this amazing tool, you can finally reach your fitness goals and enjoy a healthier and happier life.

Facts:

- Globally, malnutrition affects up to 50% of hospitalised patients, with one in five patients not consuming enough food to cover their energy requirements.¹
- Malnutrition is a major public health issue in Australia, particularly for older Australians. As reported by *Royal Commission into Aged Care Quality and Safety*, 67% of older Australians in aged care and in the community are either at risk of malnutrition or are malnourished.
- These statistics highlight the significant impact of malnutrition on patient health and well-being. Malnutrition can lead to a range of negative health outcomes, including increased risk of infections, slow healing, decreased mobility, and longer hospital stays.
- For example, in aged care facilities, malnutrition can have a particularly profound impact, leading to decreased quality of life, increased risk of falls and other accidents, and increased mortality.
- Addressing this issue is crucial for improving patient outcomes and reducing the burden on healthcare systems. By using innovative solutions like AerMeal®, healthcare providers can improve patient nutrition and reduce the impact of malnutrition on patient health and well-being.

How can AerVision help bridge the gap of nutrition? AerMeal® by AerVision



3D capture and real-time analytics



Plate detection and easy to use GUI



Image Detection Recognition and Classification

1. Cass, AR, Charlton, KE. Prevalence of hospital-acquired malnutrition and modifiable determinants of nutritional deterioration during inpatient admissions: A systematic review of the evidence. *J Hum Nutr Diet*. 2022; 35: 1043– 1058. <https://doi.org/10.1111/jhn.13009>

Why AerMeal®?

- **Improved Patient Nutrition:** Helps ensure a healthy diet for patients by analyzing their food intake and providing real-time nutritional information.
- **Reduced Food Wastage:** Monitors patient food intake, reducing food wastage and ensuring the right amount of food is served.
- **Convenient Access to Nutritional Information:** Provides nutrition advisors and care providers with real-time information about patients' diets, allowing them to make informed decisions about their care.
- **Cutting-Edge Technology:** Uses AI and IoT technology, making it a cutting-edge solution for healthcare environments.
- **Efficient Monitoring:** The AI engine is highly efficient in learning patterns and activities, reducing the workload of healthcare providers and improving the efficiency of monitoring patient nutrition.



Can AerMeal® be beneficial for your workplace?



Hospitals: AerMeal® can be used in hospitals to monitor the food intake of patients and track their nutrition. This information can be used to create individualized meal plans and ensure that patients are receiving the proper nutrients for their recovery.



Corporate Cafeterias: AerMeal® can be used in corporate cafeterias to monitor employee food choices and ensure that they are eating a balanced diet. This can improve overall employee health and wellness, leading to increased productivity and a better work environment.



Military: AerMeal® can be used in military settings to monitor the food intake of soldiers and ensure that they are getting the proper nutrients for optimal performance.



Sports Teams: AerMeal® can be used by sports teams to monitor the food intake of athletes and track their nutrition. This information can be used to create individualized meal plans and help athletes reach their performance goals.



Weight Loss Centers: AerMeal® can be used in weight loss centers to monitor the food intake of clients and track their progress. This information can be used to create individualized meal plans and provide clients with a clear picture of their food choices.

These are just a few examples of the many places where AerMeal® can be used. Our device is highly versatile and can be adapted to meet the needs of a wide range of industries and settings.

Testimonials

"We have been using AerMeal® at our aged care facility for the past year and have seen a significant improvement in our residents' overall satisfaction with our service. The ability to track and analyze our residents' food intake has helped us to better understand their specific nutritional needs and make more informed decisions about their meals. The recommendations provided by AerMeal® have also been invaluable in helping us to create more balanced and nutritious menus for our residents. Overall, we highly recommend AerMeal® to any aged care facility looking to improve their residents' diet and health."

Aged Care Facility

"At our weight loss center, we strive to provide our customers with the best possible care and support in their weight loss journey. We recently started using AerMeal® to monitor our customers' food intake and the results have been truly remarkable.

AerMeal® provides us with real-time information about our customers' diets, including their nutrient and calorie intake. This has allowed us to make informed decisions about their meal plans and to ensure that they are consuming the right amount of food to meet their energy requirements.

Not only has this helped us to improve our customers' nutrition, but it has also reduced food wastage and made our meal planning process more efficient.

We highly recommend AerMeal® to any weight loss center or healthcare facility looking to improve their customers' nutrition and reduce the impact of malnutrition. It is a game-changer for our industry and has made a significant impact on our customers' health and well-being."

Weight Loss Centre

Contact us to find out more info about AerMeal® or to request a live demo!



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