

Remote operation and monitoring system

SESAME-Plus α series

Linked to automatic ventilation system of greenhouse

To whom already using automatic ventilation system, now you can operate it with your mobile phone. Current data and picture are remotely available in your hands. Single-span and multi-span types are available.

This system helps you save labor by

- 👉 Photographing and visualizing internal environment
- 👉 Being checked at any time by your own device
- 👉 Being linked to existing ventilation systems
- 👉 Reducing unnecessary patrols



Remote Operation with Web App



- Optional operation of motor (Set full open time and arbitrary time)
- Display of latest data
- Simple and obvious screen (Compatible with left and right motors)

Safety Control via Email Alerts



- Email, notification of abnormal temperatures
- Alarm function in case of forgetting to switch manual to automatic operation

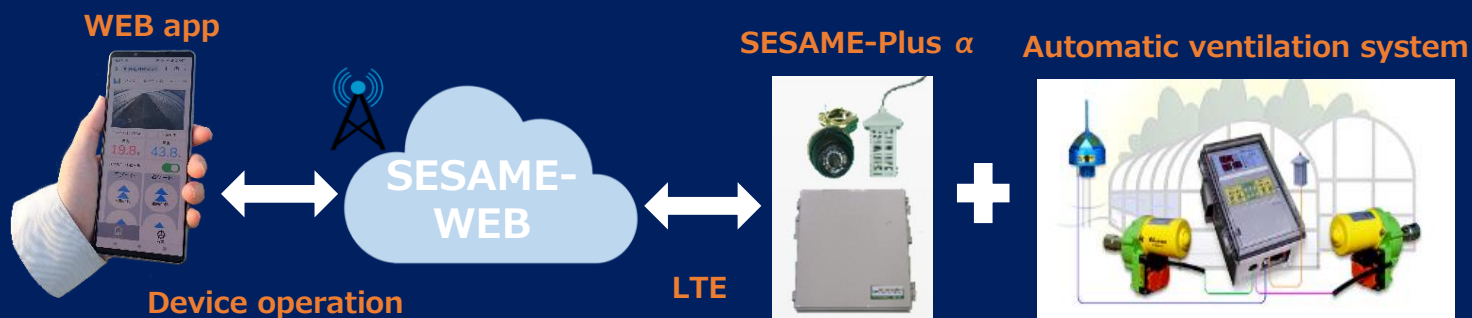
Many Other Additional Features

- Various sensors can be connected
- Graphs for data analysis and diary function are available



About SESAME-Plus α

SESAME-Plus α can visualize various environment such as temperature, humidity and state of ventilation. It enables you to control roll up motor by mobile phone remotely. It takes pictures too, so you can check condition in greenhouse obviously.



SYSTEM SPECIFICATIONS	
Name	SESAME-Plus α
Wireless	3G · 4G(LTE)
Operating environment	-20~50°C
Power Supply	AC100V/AC200V
Power consumption	2W (40W at the maximum)
Load Current	1A (5A at the maximum)
Weight	4.45kg
Box Size	W350 · D350 · H150mm
CAMERA/SENSOR SPECIFICATIONS	
Camera Type	CMOS
Protocol	USB2.0/USB Video Class
Shooting	When starting up and reloading
Effective Pixels	Up to 92 megapixels
Max. Resolution	1280 × 720
Shooting range	Horizontal angle of view more than or equal to 90°
Mini Illumination	≥ 0.05lx
IP Ratings	IP65
Camera Dimensions	φ9cm × height 7cm
Sensor Number	RHT-30-01 (DC0V~1V)
Accuracy	Temperature: ±0.5°C Humidity: ±3%

↓ Photograph

Observation of internal environment.



<Option >

- You can connect SenSu (simple weather station), soil moisture sensor (moisture, EC, temperature) to SESAME-Plus α.
- Being linked to SESAME-WEB, it enables you to analyze data, watch graphs, and use farming diary.



Simple weather station



Soil moisture sensor



株式会社 **みどり工学研究所**
Midori Engineering Laboratory

802 Dotsu Bldg. 1-23 Nishi 6-chome Kita 5-jo Chuo-ku Sapporo JAPAN 060-0005
TEL: +81-11-555-5000 Fax: +81-555-30000
4-26-14 Nakatomiminami, Tokorozawa 359-0003 Japan
TEL: 090-2870-3107

[URL] <https://midori-eng.com> [e-mail] info@midori-eng.co.jp

