

CANKUŞ 



Multi-Gas Detection and Mapping Drone System



Cankuş GAS + Sniffer4D

Seamlessly integrated with the Sniffer4D air quality sensor, the Cankuş GAS drone has revolutionized the way we detect and monitor air pollution. The system offers exceptional reliability, precision, and efficiency, allowing professionals to quickly locate and map contaminated areas at lower cost and with less risk.



Cankuş Gas

Designed with robustness and all-weather flying capabilities, Cankuş GAS is specifically designed to perform challenging missions in a variety of environments. Its high payload capacity and advanced flight stability make it an ideal platform for carrying precision instruments.



3,5 kilo

Load Capacity



IP67

Salt water resistant



Level 6

Wind Resistance



4K

Camera Gimbal



28 Minutes

Flight Duration



1,5 km

Flying range



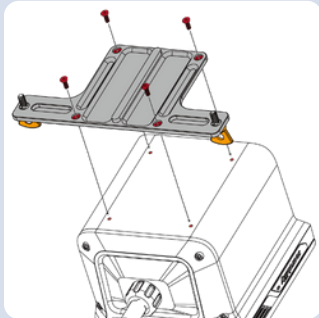
Calibration FREE



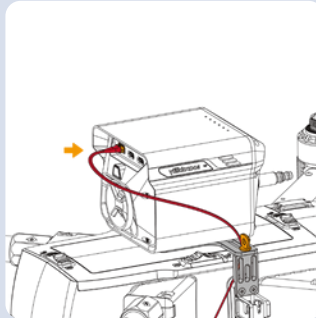
Foldable Design

Sniffer4D

The Sniffer4D air quality sensor can detect up to 9 gases simultaneously with accurate gas concentration, time and geographic information. The sensor's compact and lightweight design allows it to be easily integrated with the Cankuş GAS drone without compromising flight performance.



Secure the Sniffer4D to the top of the drone.

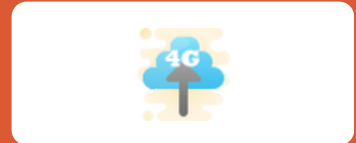


A power cable connects the Sniffer4D to the drone's power source.

Available Parameters

TVOC | SO₂ | CO | NO₂ | O₃ | PM_{1.0} |
PM_{2.5} | PM₁₀ | C_xH_y / CH₄ / LEL | H₂S |
HCl | TSP/PM₁₀₀ | NH₃ | CO₂ | HCN | H₂ |
PH₃ | Cl₂ | O₂ | NO | Odor (OU) | High
resolution CH₄ | Wind Speed and
Direction | Nuclear Radiation | Gas
Sampling

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A black and orange quadcopter drone is shown in flight against a clear, light blue sky. The drone has four propellers and a camera mounted underneath. In the bottom right corner, the tops of green trees are visible.

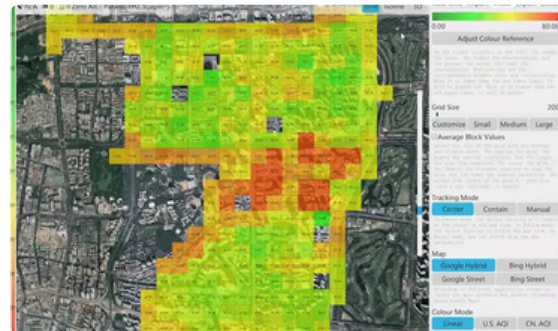
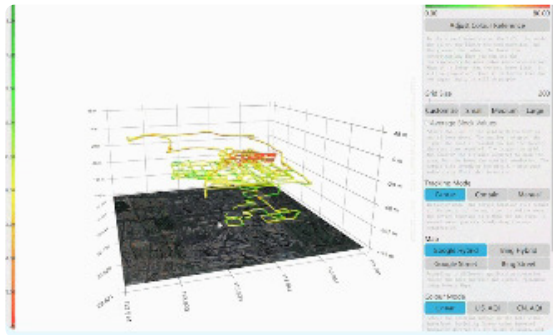
研究区位置图

比例尺：1:100,000
 图例：
 - 研究区边界
 - 主要河流
 - 主要道路
 - 气象站分布
 - 地形等高线

日期	时间	温度 (°C)	湿度 (%)	风速 (m/s)	风向	降水 (mm)	云量 (%)	能见度 (km)	气压 (hPa)
2010-01-01	08:00	-5.2	65	1.2	N	0.0	10	10	1013.2
2010-01-01	12:00	-2.1	72	1.5	N	0.0	15	10	1012.8
2010-01-01	16:00	-1.5	78	1.8	N	0.0	20	10	1012.5
2010-01-01	20:00	-3.8	70	1.0	N	0.0	15	10	1012.1
2010-01-02	00:00	-4.5	68	0.8	N	0.0	10	10	1011.8
2010-01-02	04:00	-6.1	62	0.5	N	0.0	5	10	1011.5
2010-01-02	08:00	-3.2	75	1.0	N	0.0	10	10	1011.2
2010-01-02	12:00	-1.8	80	1.2	N	0.0	15	10	1010.9
2010-01-02	16:00	-0.5	85	1.5	N	0.0	20	10	1010.6
2010-01-02	20:00	0.2	88	1.8	N	0.0	25	10	1010.3
2010-01-03	00:00	0.8	90	2.0	N	0.0	30	10	1010.0
2010-01-03	04:00	1.5	92	2.2	N	0.0	35	10	1009.7
2010-01-03	08:00	2.2	95	2.5	N	0.0	40	10	1009.4
2010-01-03	12:00	3.0	98	2.8	N	0.0	45	10	1009.1
2010-01-03	16:00	3.8	100	3.0	N	0.0	50	10	1008.8
2010-01-03	20:00	4.5	100	3.2	N	0.0	55	10	1008.5
2010-01-04	00:00	5.2	100	3.5	N	0.0	60	10	1008.2
2010-01-04	04:00	6.0	100	3.8	N	0.0	65	10	1007.9
2010-01-04	08:00	6.8	100	4.0	N	0.0	70	10	1007.6
2010-01-04	12:00	7.5	100	4.2	N	0.0	75	10	1007.3
2010-01-04	16:00	8.2	100	4.5	N	0.0	80	10	1007.0
2010-01-04	20:00	8.8	100	4.8	N	0.0	85	10	1006.7
2010-01-05	00:00	9.5	100	5.0	N	0.0	90	10	1006.4
2010-01-05	04:00	10.2	100	5.2	N	0.0	95	10	1006.1
2010-01-05	08:00	11.0	100	5.5	N	0.0	100	10	1005.8
2010-01-05	12:00	11.8	100	5.8	N	0.0	100	10	1005.5
2010-01-05	16:00	12.5	100	6.0	N	0.0	100	10	1005.2
2010-01-05	20:00	13.2	100	6.2	N	0.0	100	10	1004.9
2010-01-06	00:00	14.0	100	6.5	N	0.0	100	10	1004.6
2010-01-06	04:00	14.8	100	6.8	N	0.0	100	10	1004.3
2010-01-06	08:00	15.5	100	7.0	N	0.0	100	10	1004.0
2010-01-06	12:00	16.2	100	7.2	N	0.0	100	10	1003.7
2010-01-06	16:00	17.0	100	7.5	N	0.0	100	10	1003.4
2010-01-06	20:00	17.8	100	7.8	N	0.0	100	10	1003.1
2010-01-07	00:00	18.5	100	8.0	N	0.0	100	10	1002.8
2010-01-07	04:00	19.2	100	8.2	N	0.0	100	10	1002.5
2010-01-07	08:00	20.0	100	8.5	N	0.0	100	10	1002.2
2010-01-07	12:00	20.8	100	8.8	N	0.0	100	10	1001.9
2010-01-07	16:00	21.5	100	9.0	N	0.0	100	10	1001.6
2010-01-07	20:00	22.2	100	9.2	N	0.0	100	10	1001.3
2010-01-08	00:00	23.0	100	9.5	N	0.0	100	10	1001.0
2010-01-08	04:00	23.8	100	9.8	N				

Mapping the Full Image

Sniffer4D Mapper software can instantly visualize data from one or more sources. Sniffer4D weather sensors come in three forms: 2D grid, 2D isoline and 3D point cloud map. The map provides professionals with intuitive and insightful information, allowing them to quickly identify the source of pollution.



Applications



Industrial Emission
Monitoring



Environmental
Research



Marine Vehicle Emission
Monitoring



Construction Site
Monitoring



Disaster
Response



Oil and Gas Pipeline
Inspection



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