

# Do not miss even small flame!!



<Full scale>



Interlock buzzer and lamp



Coordinate with Network Camera



Outdoor solar type



Fire sensor for heavy equipment & in-vehicle receiver

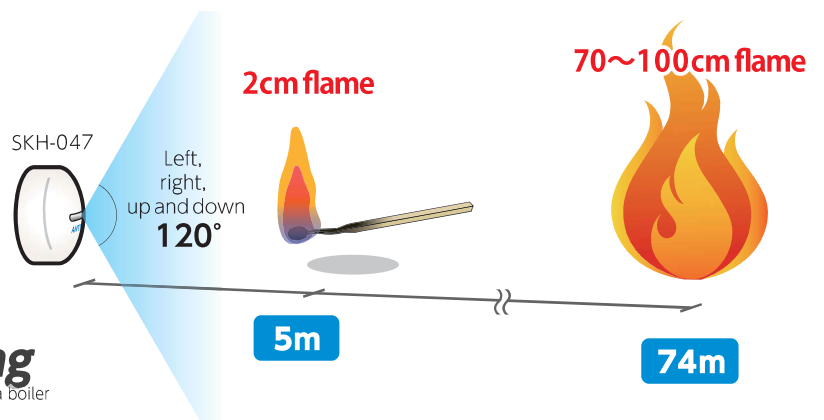


Truck sensor & in-vehicle receiver

## Realize various uses !

- **Early fire detection**  
Quick and sensing performance for flame (shortest 0.5 seconds)
- **Arson early detection**  
Sense the flame before the smoke and heat is generated
- **Outdoor fire sensing**  
There is no malfunction by the light of the sun & drip-proof
- **Smoking prevention**  
Corresponding to various applications by the detection time setting
- **Lighting failure monitoring**  
It can be diverted to the monitoring of the constantly ignition location, such as a boiler

## Very high detective performance



# How to use

## The first discovery of the outdoor suspicious fire

With the unique solar separation technology, it surely discovers the fire occurs at bright outdoors where had happened conventional malfunction many times. Even 2cm about fire, it can discover at that moment to be arson because it can be determined from about 5m away. Image recording is also possible at the time of detection by cooperation with the camera.

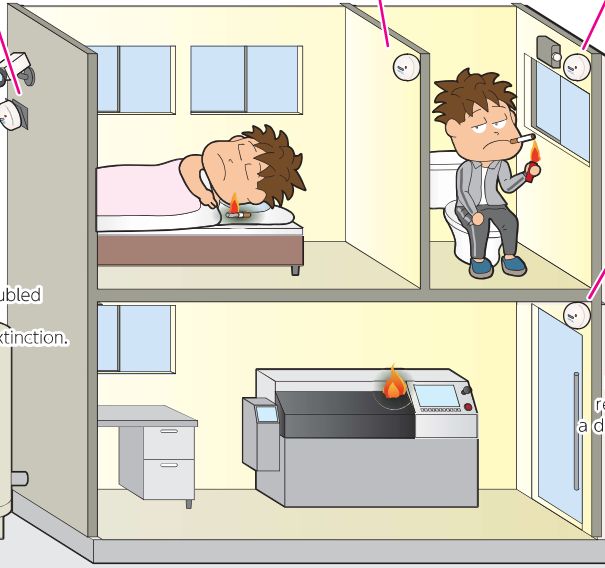
## Lighting failure monitoring

It can be used to monitor the place that is troubled when the fire such as boilers goes out. Immediately it will be notified at the time of extinction.



## Smoking in bed measures

It senses instantly in the event of a fire.



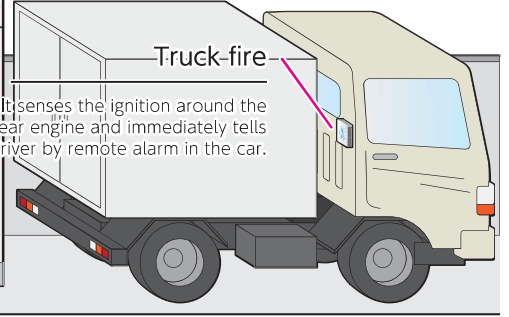
## Smoking prevention

If installed in a non-smoking place it can sense the small flame to determine the cigarette lighter of the fire, and it becomes possible to emit an immediate warning sound at the time of ignition.

## Equipment fire monitoring

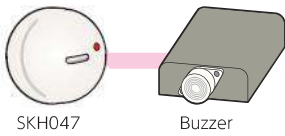
In the equipment environment a flash to the dust and cutting debris is a concern due to the heat generation, it can discover a fire at a far early stage than the fire alarm of the conventional heat perception and smoke perception method reacts.

Truck-fire  
It senses the ignition around the rear engine and immediately tells a driver by remote alarm in the car.

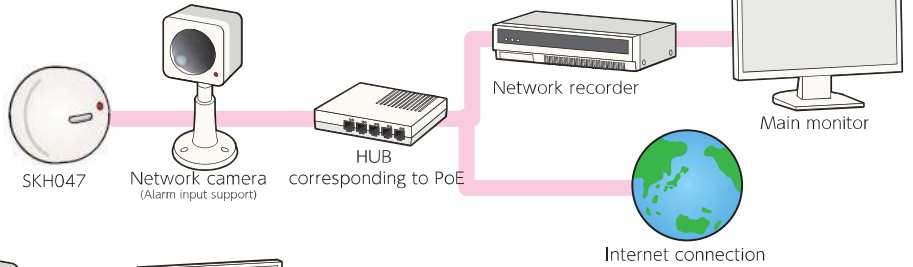


# System expansion examples

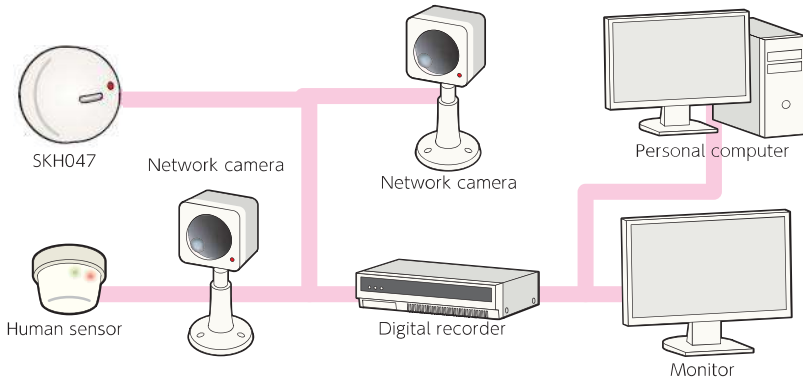
## Basic connection



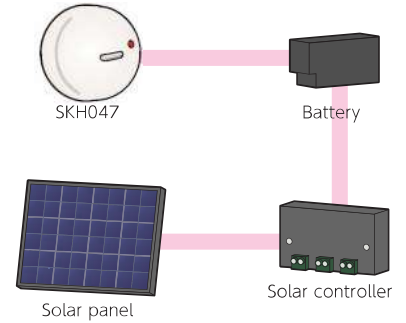
## Network



## Composite connection



## Outdoor solar operation



# Specification

Item name	Flame detection sensor	Truck fire sensor	Fire sensor for heavy equipment
Model	SKH047	SKH075	SKH086
Detecting scheme	UV detection method (wavelength 185 to 260nm)		
Detecting angle	Left, right, up and down 120 degrees	Left, right, up and down 90 degrees	Left and right 90 degrees & up and down 30 degrees (it can be adjusted at the head replacement)
Detecting distance	About 5m in 2cm of flame		
Detecting timer	0.5 seconds, 1 to 31 seconds (1-second increments)	0.5 seconds	0.5 seconds, 4 seconds, 8 seconds, 12 seconds (4 stages)
Power-supply voltage	DC7V~24V	DC12V~24V	DC12V~24V (Anti-reverse connection circuit built-in)
Output	1c relay contact (AC125V 0.5A DC24V 1A) or open collector (200mA) 30 seconds of delay	350MHz band weak radio wave (ID recognition system)	350MHz weak radio wave (ID authentication method), Open collector (200mA)
Indicator light	Operating lights (in conjunction with the output)	Power lamp which is an operation displayed in a dedicated receiver	None. Operation displayed in a dedicated receiver
Wiring	4-wire (two powers, two outputs)	2-wire (two powers)	6-wire (two powers, two outputs, two detection timer settings)
Installation location	Inside and outside	Backside of cabin	Engine room
Temperature range	-10 °C ~ +60 °C (No condensation and freezing)	-10 °C ~ +60 °C (No condensation and freezing)	-10°C ~ +100°C
Housing material	ABS resin (white)	Aluminum (panel: polycarbonate)	Stainless steel (SUS304 including a baked part)
External dimensions	Φ68×25mm	130 × 90 × 20mm (projections are not included)	53 × 84 × 26mm (projections are not included)
Waterproof and dustproof	IP64	Waterproof caulking processing	Completely waterproof