

water quality surveillance

# BIO SENSOR



type NBA-03

## Killifish sensor for safe water surveillance

### Outline

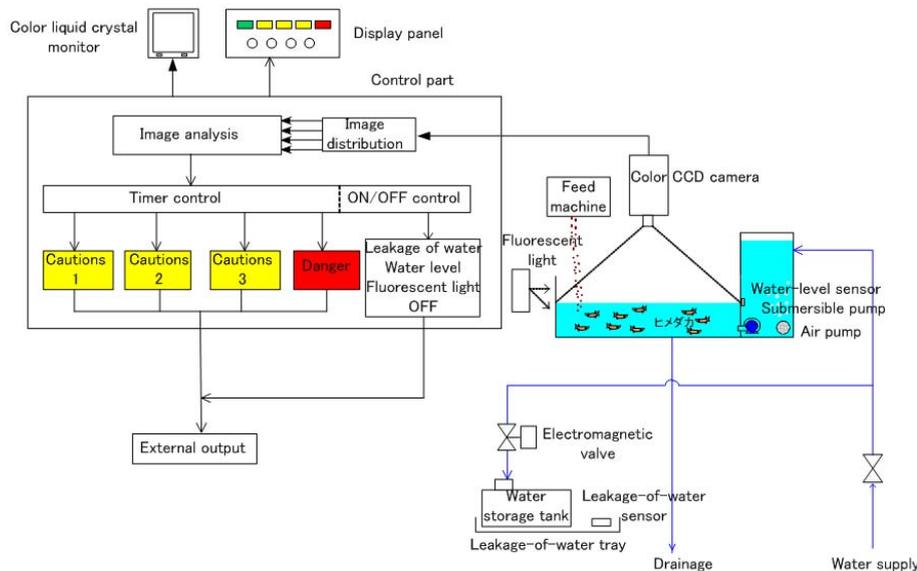
This newly developed surveillance system assists to ensure a constant supply of safe water.

Fish has been used for keeping watch on unexpected toxic substances.

By watching movements of killifish for 24 hours, the system raises an

alarm if killifish are affected by toxic substances.

Our newly developed image processing sensor made it possible.



Fishes tank

### Features

Making use of a CCD camera and an image processing device, Bio sensor finds toxic substances from movements of fish in the surveillance water tank and gives the alarm in case of danger.

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## Specification

•Product name	Bio sensor
•Model name	NBA-03
•Form	Indoor independence type
•Dimension	700(W) × 1800(H) × 700 (D)
•Weight	About 145kg
•Power supply voltage	AC100V(50/60Hz)
•Power consumption	about 80W (at the time of heater intact warming )
•Ambient temperature	0-40 degrees C
•Surveillance system	Bird's-eye view system
•Measurement system	Block image-processing system
•The detection method	56 blocks is allotted to a screen and it has 64 dots in 1 block.
•Surveillance fish	Killifish (20-animal use)
•The amount of suicide by drowning	0.8-1.5 liter/minute
•Raw-water permeability	The visual check of the killifish of a breeding tank can always be carried out.
•Electric wiring side	34 φ × 2
•Water piping side	Water-supply side: 13 elbows Drainage side: 20 elbows
•External output	Alarm output: Nine points (non-voltage A contact) Communication output: One point (Ethernet) Image output: Three points (NTSC)

## Option



Sand filter



Warming vessel



Inclusion warming vessel



Chlorine neutralization machine



Record PC(server function)

