

D6T-8L-09H

D6T-44L-06H

New Hi-Temp Thermal IR Sensors

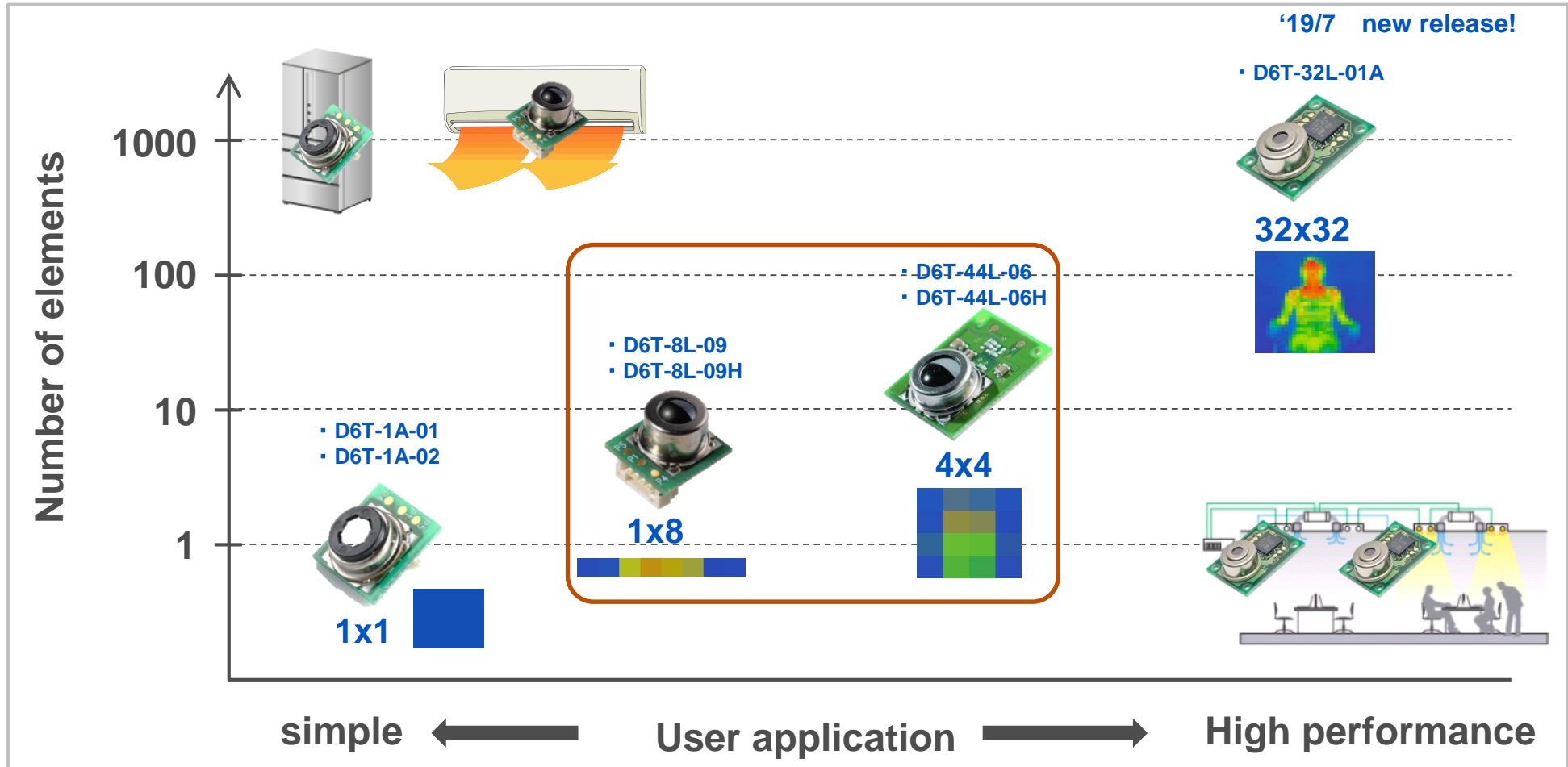
Sensing & Module Application Division

Agenda





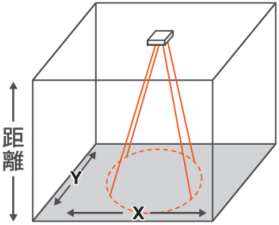
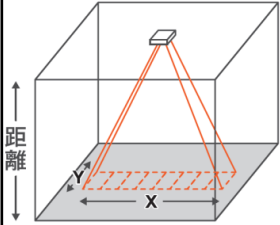
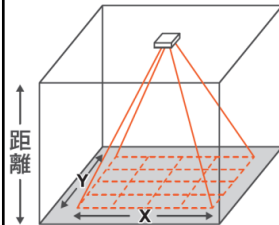
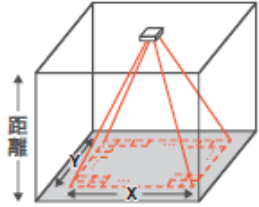



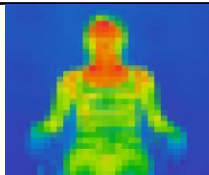
- **Product Outline**
- **Background of Product Launch**
- **Details of target application**

Product Outline

- Developed new versions of 1x8 and 4x4 array thermal IR sensors
- Hi-temp versions, reaching up to 200°C



New Product main spec

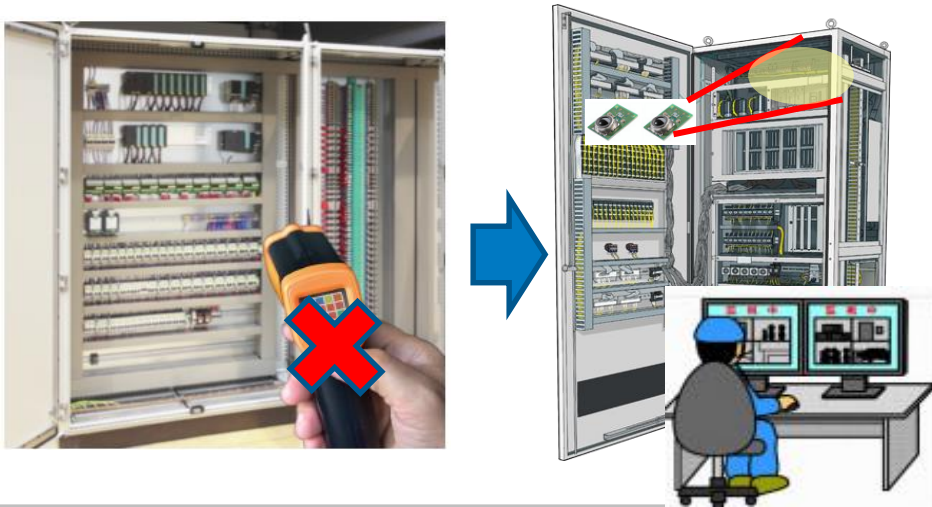
Sensor type		D6T-1A-01	D6T-1A-02	D6T-8L-09/09H	D6T-44L-06/06H	D6T-32L-01A
Appearance						
Number of elements		1 (1x1)		8 (1x8)	16 (4x4)	1024(32x32)
Size [mm]		(L : W : H) = (12.0 : 11.6 : 9.2)		(L : W : H) = (12.0 : 11.6 : 10.7)	(L : W : H) = (18.0 : 14.0 : 8.8)	(L : W : H) = (18.0 : 14.0 : 9.9)
View Angle	X direction	58.0°	26.5°	54.5°	44.2°	90.0°
	Y direction	58.0°	26.5°	5.5°	45.7°	90.0°
Object temperature Detection range		5~50°C	-40~80°C	09:5~50°C 09H:5~200°C	06:5~50°C 06H:5~200°C	0~200°C
Reference temperature Detection range		5~45°C	-40~80°C	New!! 5~45°C	5~45°C	0~80°C
communication		I2C				
Size of measurement area						
Distance 1m	X direction	111 cm	47 cm	103 cm	81 cm	200cm
	Y direction	111 cm	47 cm	10 cm	84 cm	200cm
Image of detection						

Details of Target Application

Partner	Hand out	Show
Sales/Reps	Ok	Ok
Distributors	Ok	Ok
End Customers	NG	Ok

Factory Automation

FA Equipment



- P/N:D6T-44L-06H/D6T-8L-09H
- Application: Control Panel of production line equipment, cubicle, FA equipment
- Function: Abnormal heat detection of inverter, servo, power supply, contactor, terminals inside of control panel boxes
- Customer value: Reduction of maintenance costs, prevention of production line stop/fire

Smart Home & Building

Cooking Equipment



- P/N:D6T-44L-06H/D6T-8L-09H
- Application: Built-in oven, toaster, IH cooking heater
- Function: Detection of food temperature, pan temperature, human presence
- Customer value: Low power consumption,



Thank You