Thermal Detection System Comparisons
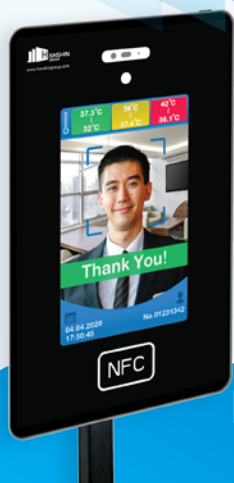
General Thermometers

	HANSHIN Automatic Medium Resolution Thermal Detection System	Forehead Thermometer Gun	Semiautomatic High Resolution Thermal Detection System
Staff Workload	No need for manual operation or supervision	Needs manual record y one or more staff	Need on-site manual supervision
Risk of Infection	Further distance & contactless detection reducing the risk of cross infection	Close distance	Far distance & contactless detection, reducing the risk of cross infection
Measuring Speed	1 - 2 seconds/person on average (Best for campus, corporates, churches, clubs, restaurants, hotels, theatres, residentials, construction sites, retails, entrances/exits)	2 - 4 seconds/person (Best for families, small and medium enterprises)	1 - 3 seconds/person on average, can detect 1-6 people at the same time (Best for airports, train stations, malls, public areas)
Accuracy	+/- 0.3℃ on average (Japanese Industrial Standards OMRON thermometer + SHARP (Lidar) Distance Measuring Sensor and Temperature Sensor + HANSHIN A.I. Detection)	+/- 0.3℃ on average (Accuracy might be affected by temperature)	+/- 0.3℃ on average (use high resolution thermal detection)
Auto Recording	Built-in Android/Intel microcomputer, auto & online records each individual temperature and detection time, easy to re-check online	Lack of auto recordng, difficult to re-check individual temperature records	Does NOT support individual recording, cannot re-check individual temperature records
Auto Operation	Automatic timer to switch on/off, no need for manual operation	Manual operation	Manual operation, and switch on/off manually
Alarm	Automatic sound alarm, and immediate SMS and other notifications to multiple administrators	Does not support alarm through network	Sound alarm only Does not support SMS notifications to administrators
Auto Supervision	Supports schools/corporates monitoring whether each personnel of different classrooms/departments have completed morning/afternoon temperature checks	N / A	Cannot automatically monitor whether each personnel has completed temperature check
Other add-on Features	(A): Information display and broadcasting for campus (B): Face recognition + clock card machine: attendance/timing record or opening door management (C): Thermal thermometer + temperature thermometer + A.I. - IoT Control, display on-site temperature and intelligent switch to turn on/off appliances	Does not support	Does not support

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