

Thermal Presence Detector for Healthcare

Pain Points of Current Nursing Industry

Privacy Concern

The patients or elderly will feel uncomfortable when noticing security cameras monitoring their bed/room.

Accidents

The treatment as soon as possible for the patients or elderly is very important if any accident occurs.

Unexpected Disappearance

The patients or elderly might leave the room and get lost without nursing assistants during night, which is extremely dangerous.

Labor Cost

The patients and elderly generally need 24h care to avoid accidents. This will cost too much labor.

Key Features



Privacy protection

Thermal image only, GDPR risk-free.
Non-traditional security camera appearance, small in size.



Out of Bed/Room Detection

Alarms when elderly people is out of bed/room.
Rule can be set during the night to alert the care center as a pre-warning.



Audio Exception Alarm

Alarms when screaming or yelling is detected.
The care center will be notified if physical abuse occurs.



People Overstay Detection

Alarm when people stay in the drawn area for over long time.



Exit without Return

Alarms when elderly people leaves and did not return for predefined duration.



Fall Detection

Built-in fall detector radar. When people fall down and can't get up within predefined time, an alarm will be triggered.

Application

Healthcare : Nursing Room, hospital, etc.

- Detect people number inside room, trigger alarm when too many people
- Privacy Protection
- Audio exception alarm when people screams
- Fall detection, can measure when the elderly has suddenly fallen



Performance



Fall Detection



Exit without Return



People Overstay Detection



Out of Room

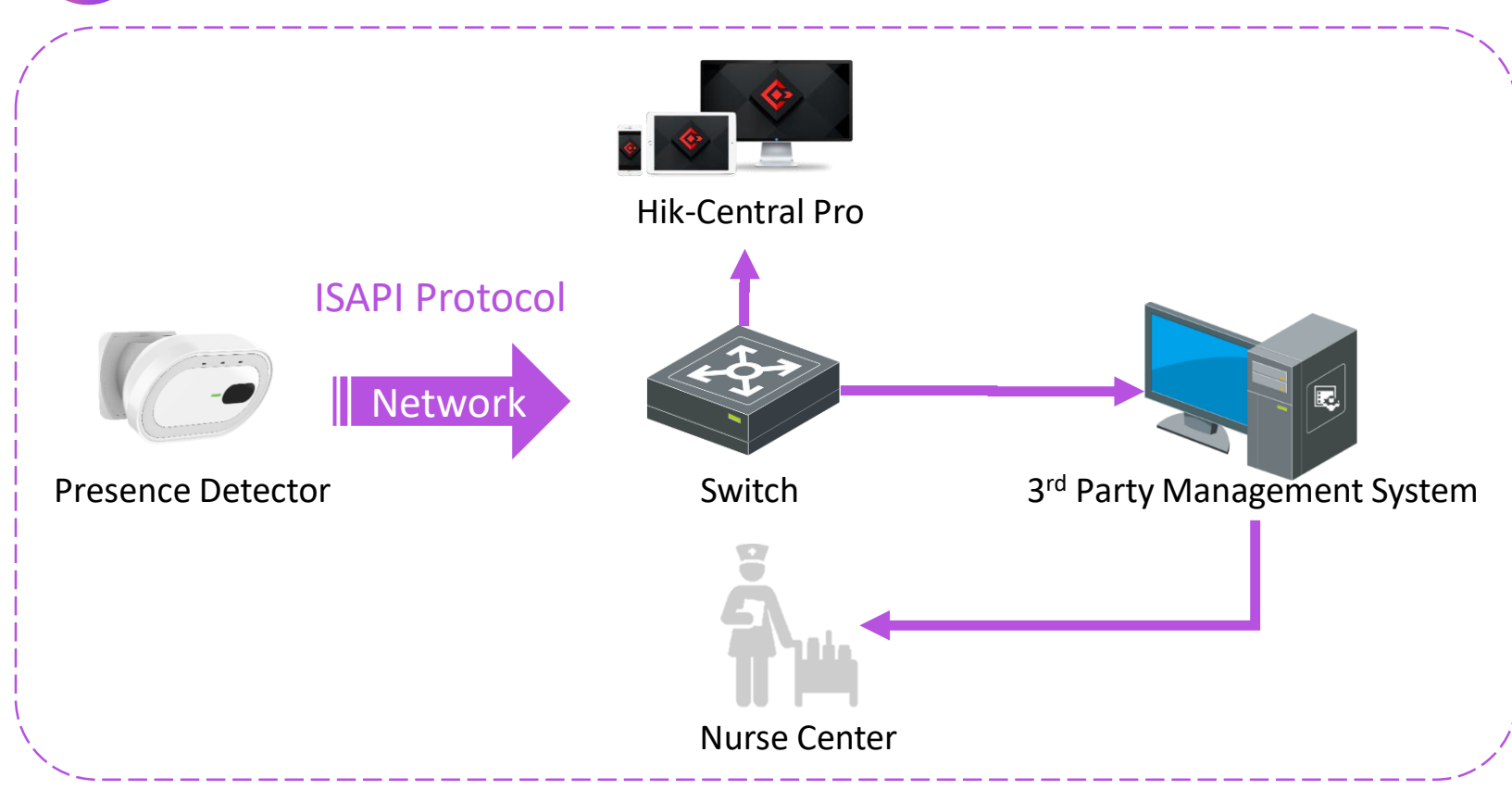


Out of Bed

Product Showcase

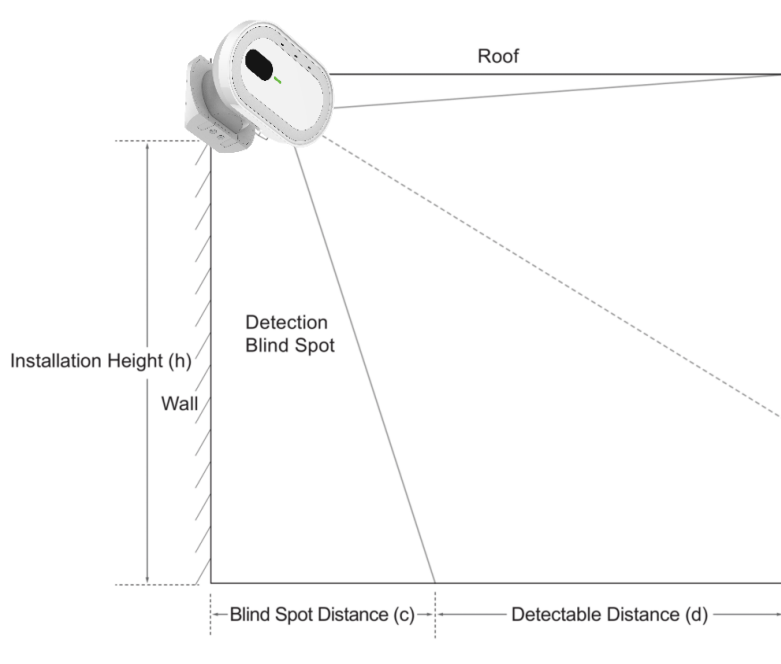
HM-TD1018-1/QR	
Resolution	160 × 120
Pixel Pitch	12μm
Lens	1.3mm
FOV	90.0° (H) × 65.2° (V)
Smart Features	Fall Detection/People Overstay Detection/Out of Bed (Room) Detection/Leave without Return Audio Exception
Alarm Output	1 channel for relay output

Solution Topology



Coverage

Ceiling Mount



Function	Fall Detection	Out of Room Detection Out of Bed Detection Exit without Return People Overstay Detection
Installation Height (h)	2.7m	2.7m
Blind Spot Distance (c)	0.5m	0.5m
Detection Distance (d)	3.5m	4.5m
Min. Detectable Span (d1)	0.7m	0.5m
Max. Detectable Span (d2)	3m	5m

