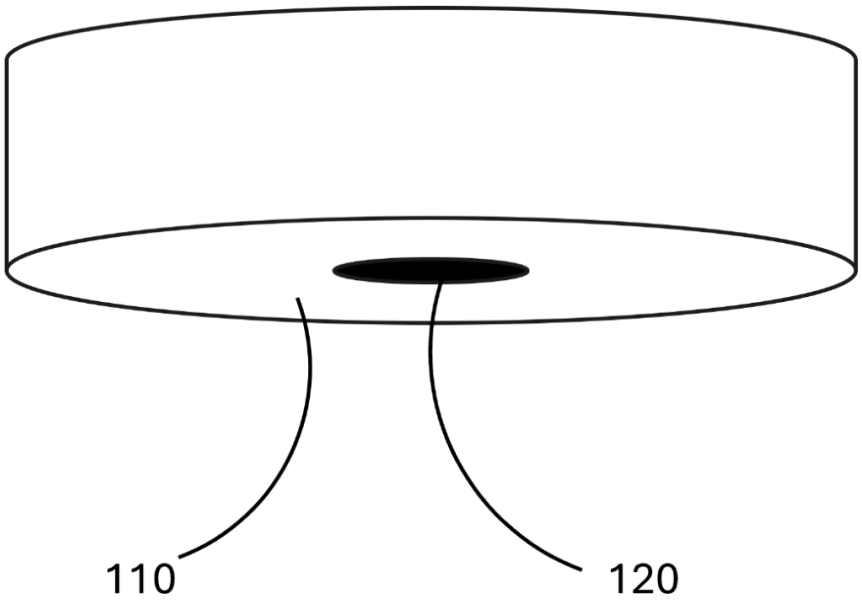


Figure 1

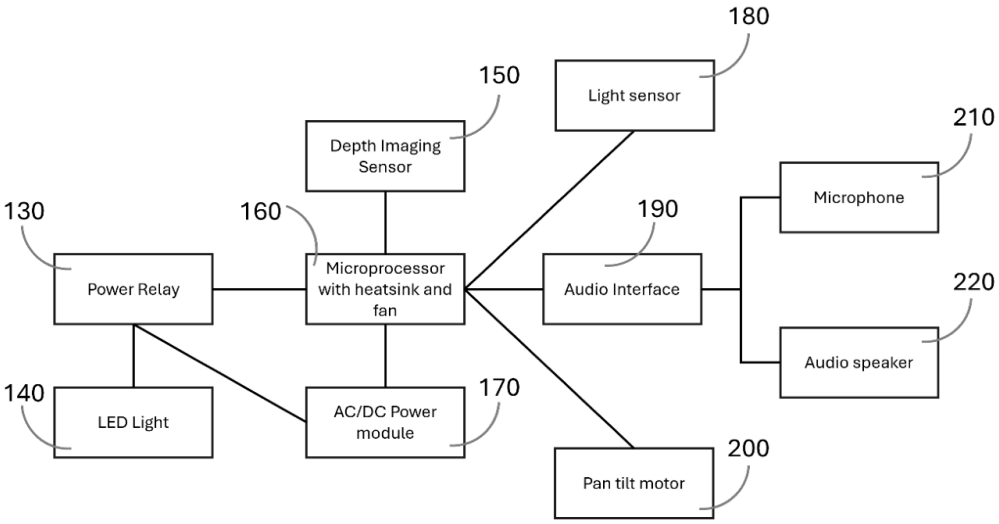


Figure 2

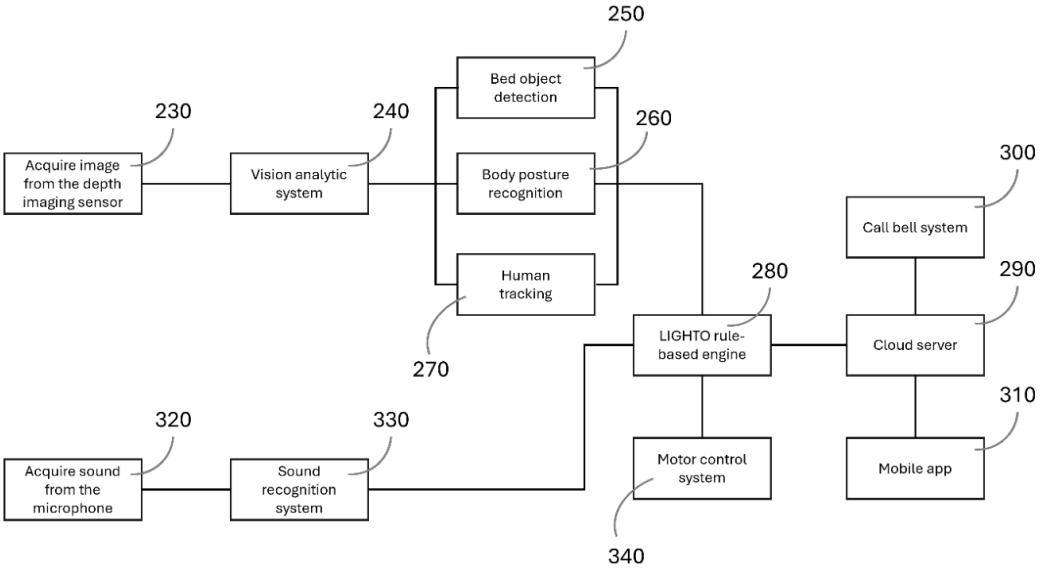

250
Bed object detection
230
240
260
Acquire image from the depth imaging sensor
Vision analytic system
Body posture recognition
300
Call bell system
Human tracking
280
290
270
LIGHTO rule-based engine
Cloud server
320
330
310
Acquire sound from the microphone
Sound recognition system
Motor control system
Mobile app
340

Figure 3