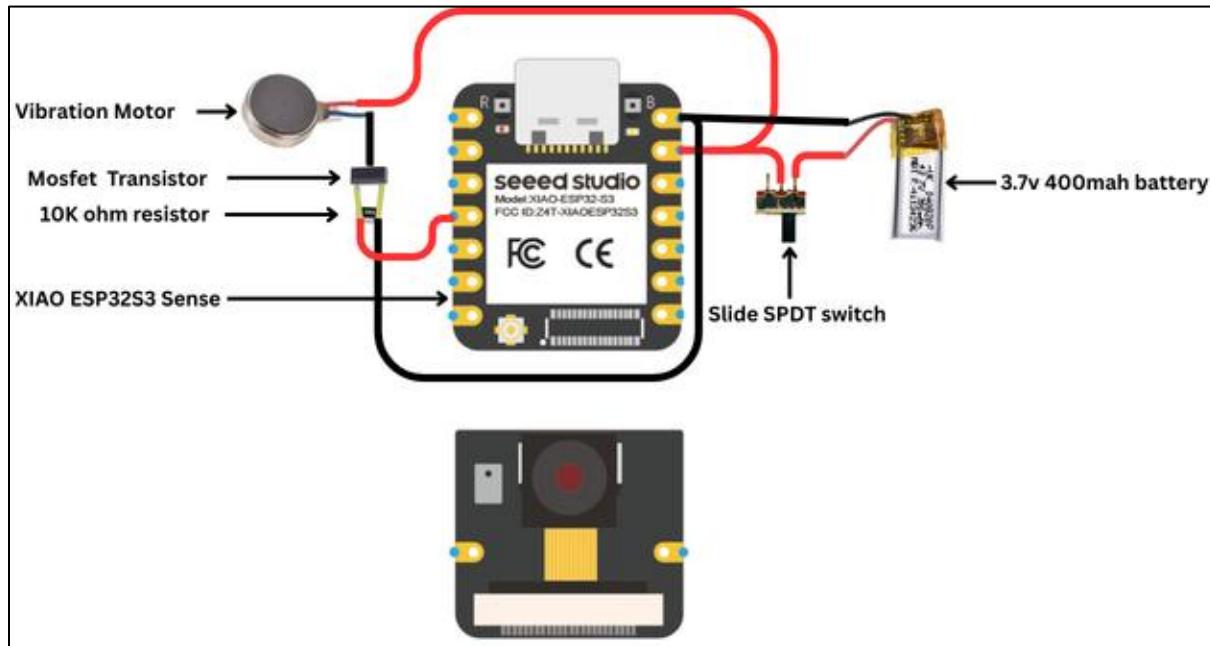


PixelPendant - Wearable Camera System

Full Connection Schematics

Component	Connected To
XIAO ESP32-S3 Sense GND	Common GND
XIAO ESP32-S3 Sense 3V3	Slide SPDT Switch (OUT)
XIAO ESP32-S3 Sense GPIO4 (Motor Control Pin)	MOSFET Gate
MOSFET Source	GND
MOSFET Drain	Vibration Motor –
Vibration Motor +	3V3
10kΩ Resistor	MOSFET Gate → GND (Pull-down)
Slide SPDT Switch (Input)	Battery +
Battery + (3.7V 400mAh)	Slide SPDT Switch
Battery –	GND
OV2640 Camera Module	Onboard Connector (XIAO ESP32-S3 Sense)

Connection Diagram



Flowchart

