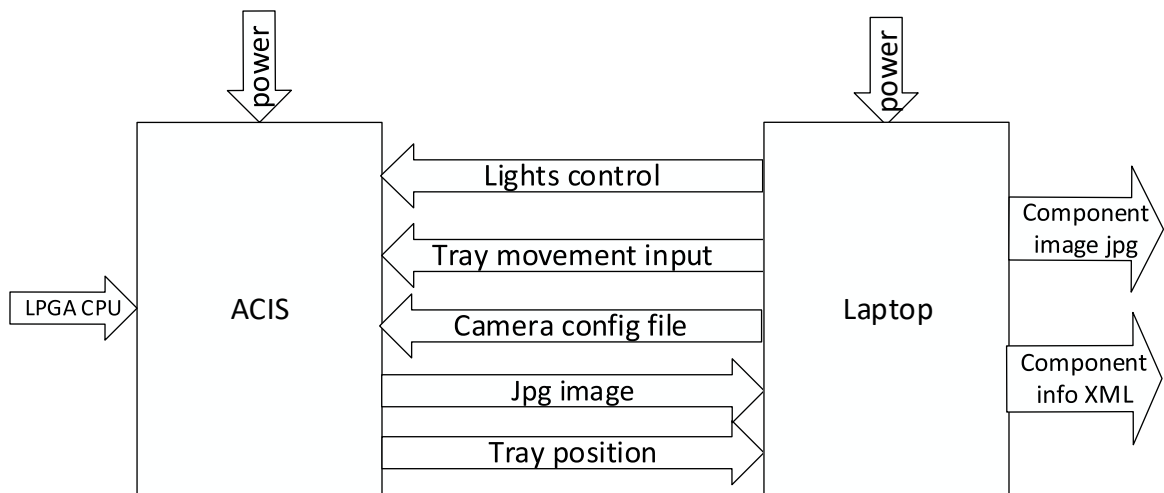
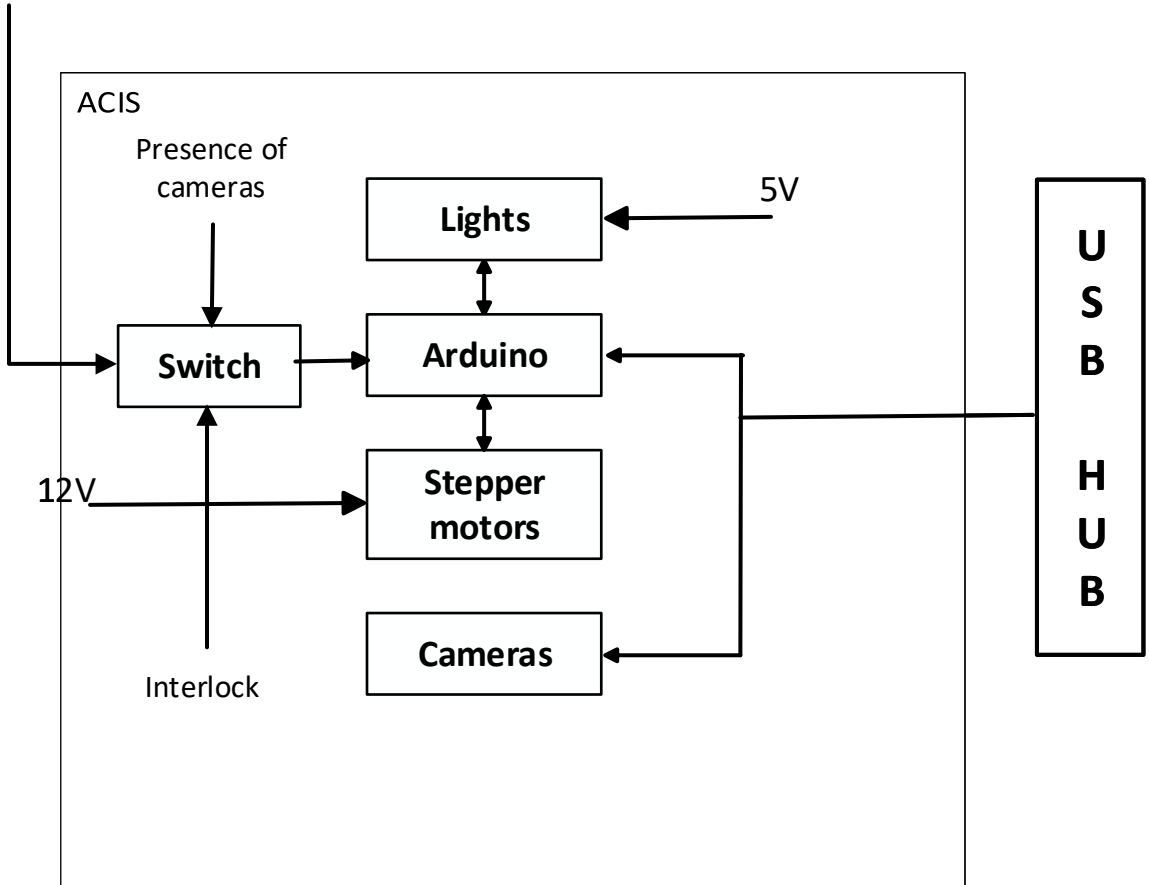


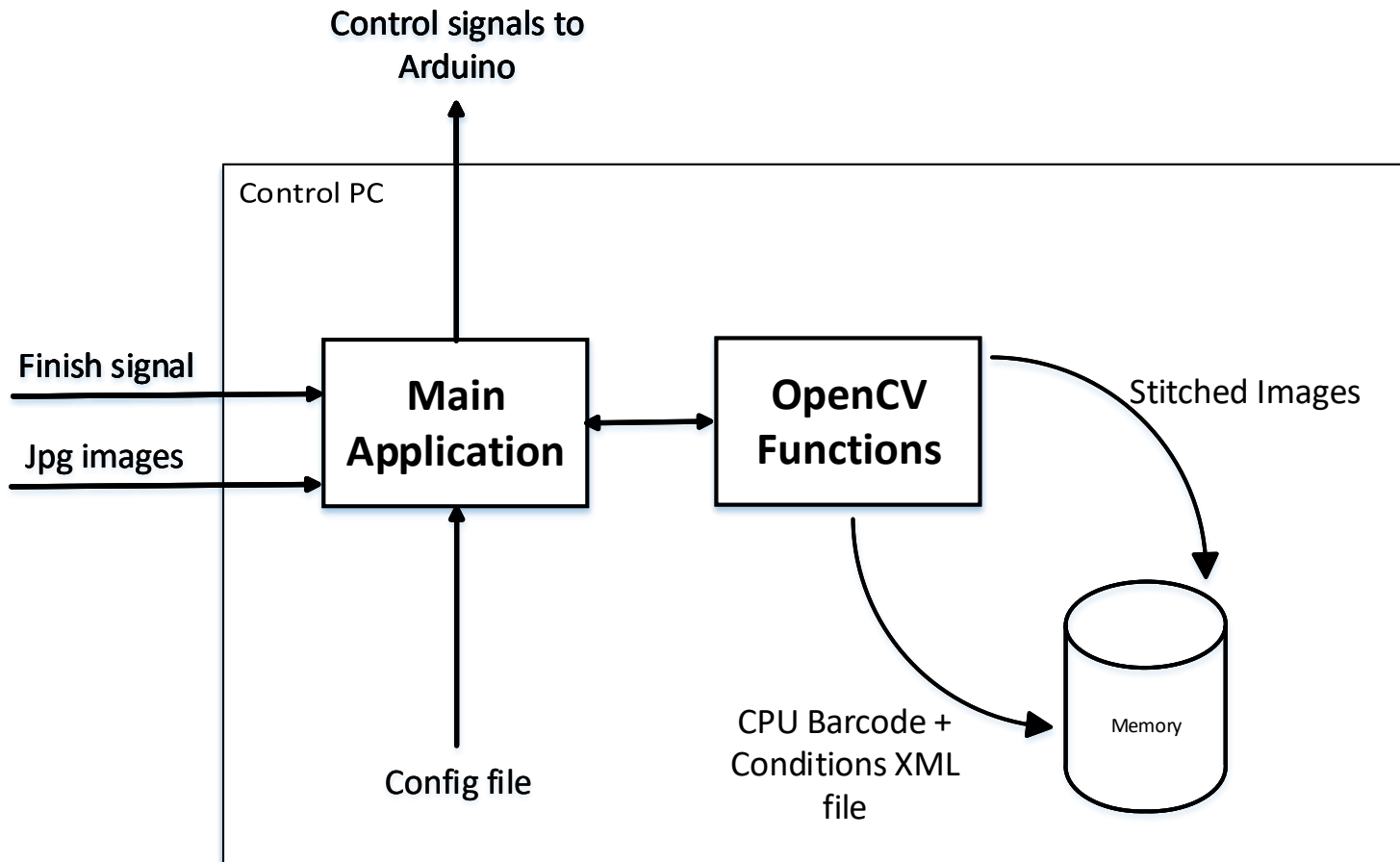
Module	CPU Scanner
Input	CPU: Any LGA CPU
Output	CPU Condition: The Physical condition of the CPU
Functionality	Scan a CPU to determine the physical condition



module	CPU component scanner
input	120 VAC components to be imaged
Outputs	Jpg of components XML component data

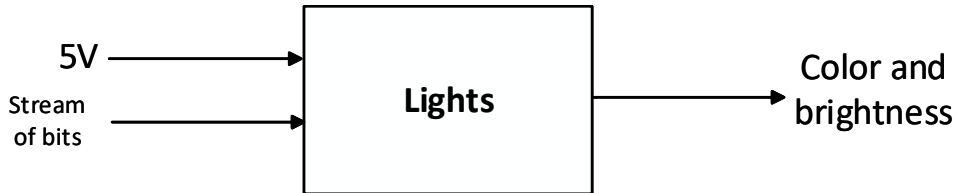
Presence of  
magazine



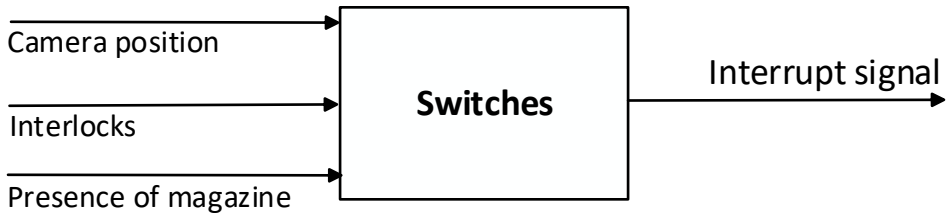




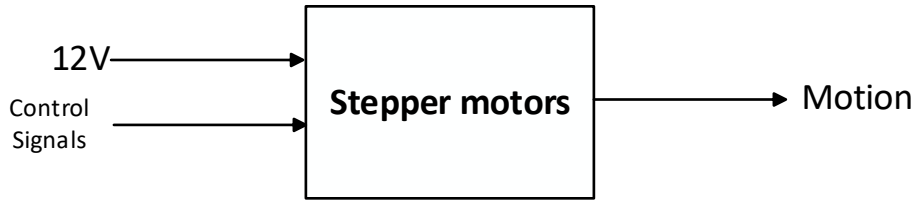
Module	Arduino Controller
Input	5V Switch position
Output	Control signals
Functionality	Send PWM signals to stepper motors, lights to start the scanning process based on the control signals from main application (which based on a config file) as the magazine inserted



Module		Illumination control
Input	5V Stream of bits from Arduino	
Output	Lights' brightness and color	
Functionality	Take PWM signal from Arduino as input to provide light emission	



Module	Switch sensing magazine
Input	5V Magazine Camera position Interlocks
Output	Interrupt signal (1 or 0)
Functionality	Send an interrupt signal to Arduino as the magazine inserted to start the scanning process



Module	Stepper motors motion
Input	5V Control Signals
Output	Stepper motors motion
Functionality	Take control signals from Arduino to start rotating stepper motors