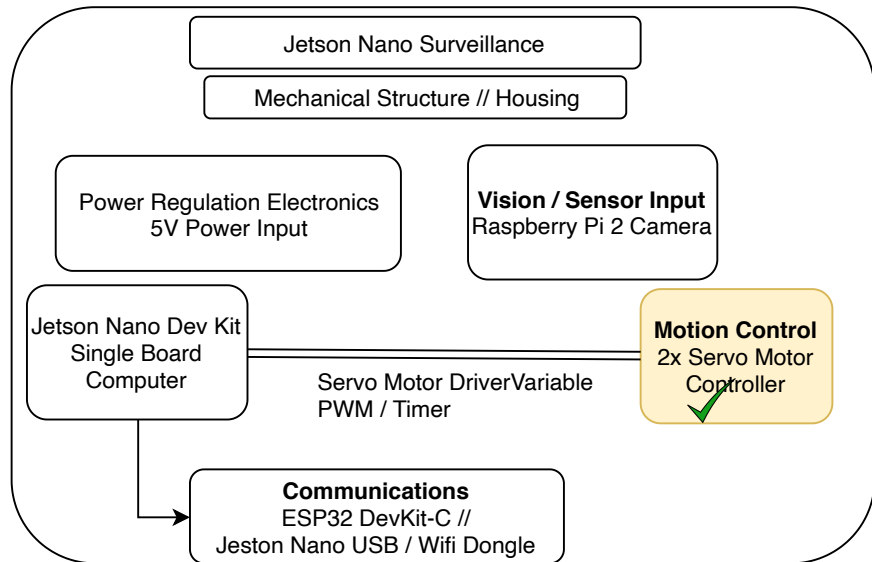


JETSON NANO SURVEILLANCE



System Design

Mechanical Design

Electrical Design

Software Design

Cloud / Application
Design

Requirements Definition

Integration Instructions

Parts List // Bill of
Materials

Assembly, Integration
and Test Instructions

Electrical Schematic

Electrical Layout / PCB
Files

Software Development
Kit / Application Code

Web Interface /
Application Design

Requirements Definition

Detect Motion
Capture Images
Send Images to Server Via Wifi
Pan Rotate
Tilt Control
Flash IR / White Spotlight
Waterproof
Variable Focus (Option)

JNS - Bill of Materials

Software Design

- 1) Detect Motion
- 2) Capture Images
- 3) Send Images to Server Via Wifi
- 4) GPIO Control -- Flash IR / White Spotlight
- 5) Pan Rotate + Tilt Control

PWM Controls <https://forums.developer.nvidia.com/t/pwm-pins/107310/8>

Electrical Schematic

Detect Motion
Capture Images
J41 Pin Header Pinout
<https://www.jetsonhacks.com/nvidia-jetson-nano-j41-header-pinout/>