

Technical Description

The brief circuit description is listed as below:

- 1) U1 acts as Voltage Regulator (LC1206SOT-23 3.3).**
- 2) U2 acts as 2.4GHz RF transceiver module (XN297).**
- 3) U3 acts as step-up DC-DC converter (LC3030).**
- 4) U4 acts as charging unit (PE6065).**
- 5) U5 acts as camera module (STM32F031K4U6 UFQFN 32).**
- 6) U6 acts as Motion Tracking Device (MPU-6880).**
- 7) Y1 is 16MHz crystal oscillator providing clock for U2.**

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength: 93.2dB μ V/m at 3m

Maximum allowed field strength of production tolerance: +/- 3dB