

# ThoneFlow-3901U UART Serial Version PMW3901 Optical Flow Sensor

SKU 101990480



**ThoneFlow-3901U**



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## Description

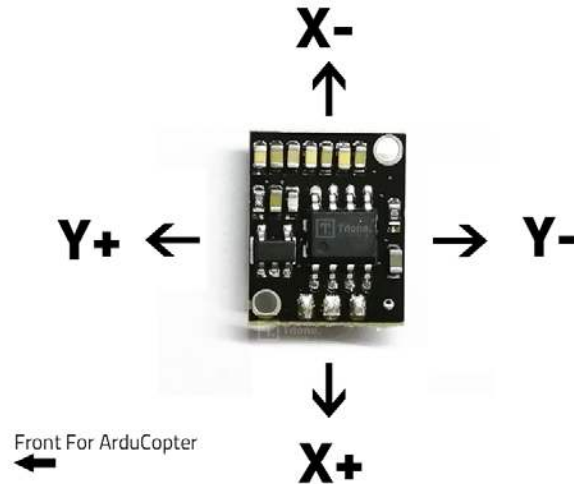
ThoneFlow-3901U is a UART version PMW3901 optical flow module, make it easier connect to your control board. The data format is also compatible with discontinued product CX-OF, already supported by ArduCopter.

This module replace the lens on original PMW3901, prevent dust from entering into the sensor or looseness in high vibration environment.

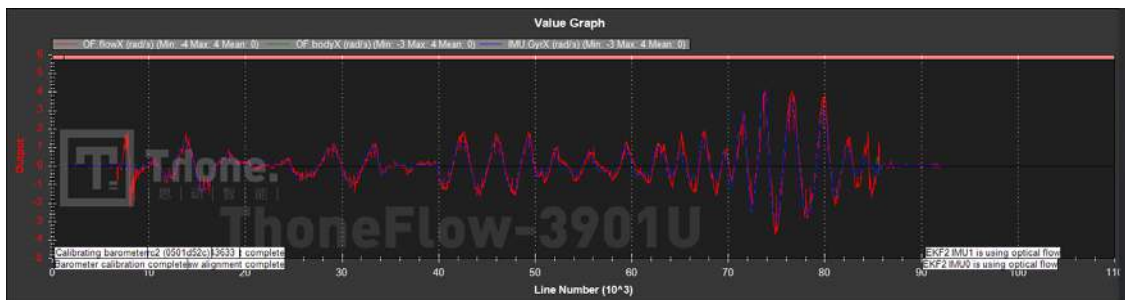
It also fully optimize the performance of PMW3901, no huge spikes in data output anymore, also gives better tracking performance on different surfaces.

Flow Frame:

# Flow Frame



Test Chart:



Data Format:

byte0: header (0xFE)

byte1: number of data bytes (0x04)

byte2: x-motion high byte

byte3: x-motion low byte

byte4: y-motion high byte

byte5: y-motion low byte

byte6: checksum

byte7: surface quality

byte8: footer (0xAA)

### Technical details:

Dimension: 14x11x5mm

Weight: 0.6g

Interface: UART

Baud rate: 19200

FPS: 66hz

Power: 3.3~3.6V

Current: 10mA

### Part List:

1 x ThoneFlow-3901U sensor

### ECCN/HTS

ECCN	ERA99
HSCODE	9031900090
USHSCODE	90319091
UPC	