The following is a GENERAL parts list for ARLO

Some parts are NOT included (The Windows 8 Tablet, Form-board and PVC body parts, some cables, a webcam, and various small miscellaneous parts)

Prices are approximate – check with each vendor for current pricing.

If there is enough demand, RobotBASIC might offer a kit of the basic parts needed for Arlo.

Of course, parts from other vendors can often be substituted – just modify the software as needed.

**Parts available from Parallax.com**

- Arlo Robot Base Kit (#28960), $39
- Arlo Top Deck (#28965), $49
- Arlo Power Distribution Center, includes battery charger (#28996), $100
- Wheel Casters, 2 required (#28961), $49 each
- Motor Mount Wheel Kit, includes encoders (#28963), $199
- H-25 motor controller, 2 required (#29144), $49 each
- Ping ultrasonic sensor with stand, 6 required (#910-28015B), $40 each
- Optional SF02 Laser rangefinder (#28043), $350

**Parts available from EZ-Robot.com**

- 3 servo Arm with gripper (2 required), $69 each
- 4 additional lever servos to complete arms, $17 each

I used a general purpose turret found on Ebay.com but you could consider these items for building your turret

- 1 lever servo for turret, $17
- 1 rotational servo for turret, $17

- Clip n play adapter plate for mounting servos
  - (2 req for arms, possible 2 for turret), $3 each

- Extension blocks and cubes used to extend arm joints
  - (I used 1 extension cube on each shoulder rotation joint), $5 each

**Parts available from Pololu.com**

- 24 Channel Servo Controller (#1356), $50
- Sharpe analog IR ranger for turret, instead of Laser, (either #1137 or #2474), $14
- Sharpe digital IR sensors for grippers, 6 required, (#1132), $6 each
- 3 QTR analog reflective sensor for Line Sensing (#2458, 2 pack), about $2 per sensor
- Maxbotics analog compatible ultrasonic ranger for turret (#726), $25

**Parts available from RobotBASIC.org**

- RROS Chip, $60
- RB-PCB, $16
- Parts kit for PCB (includes beacon detector), $25
- Beacon Chip, $12
- Bluetooth transceiver, $35
- Low Cost ultrasonic rangers (instead of Pings – no mounting brackets), 5 for $35
- HMC5883 compass and cable to connect to PCB, $30