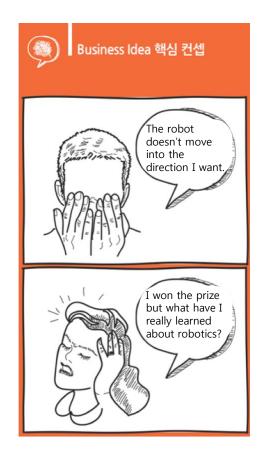
Developing Education Robotics Kit Designed for Competiton

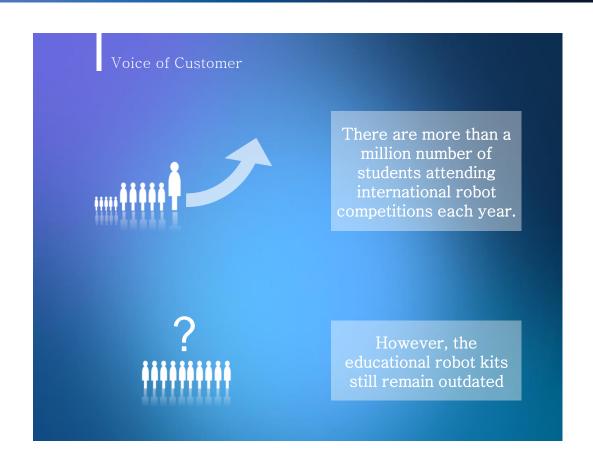


The First Robotics Kit With Vision

UNMET NEEDS







BUSINESS IDEA / ITEM CONCEPT

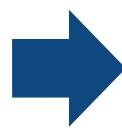


In 2014 Image Processing is included in international robot Competitons

Robot with accurate and fast image processing skill is needed

Tutorial and library is provided along with the robot kit

Robot Kits from Luxrobo are used both domestically and internationally





Business Idea

Robot Kit with Vision



customer needs

- 1. Robot that can use image processing
- 2. Good accuracy and speed compared to other existing robot kits
- 3. Learning on/offline with easy concepts

SOLUTION (PRODUCT)



VALUE PROPOSITION



- Accurate Algorithm with Speed
- User-friendly Tutorial
- World's First Educational Robot Kit with Vision

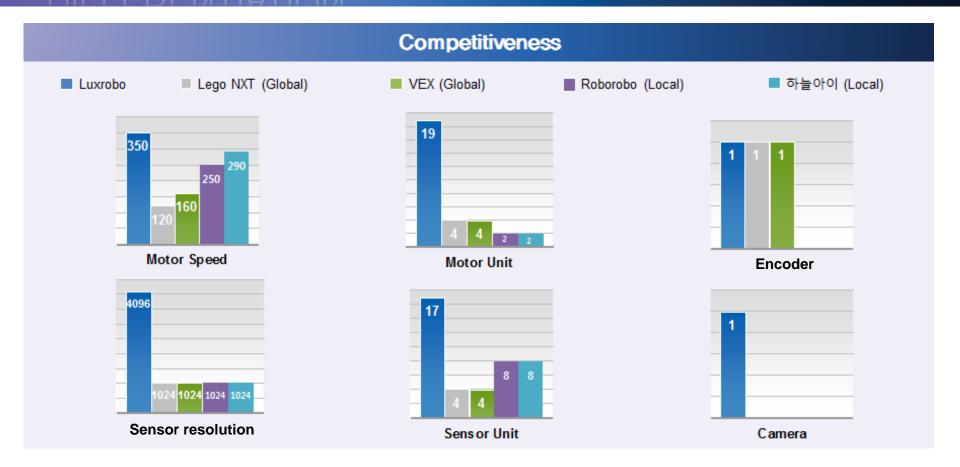
OFFERING



- Developing robot kit with neural network algorithm and fudge speed that is 4 times faster than other existing robot kits.
- Offers large capacity that allows to add extra sensors and motors
- Robot's vision makes accurate and sensitive control possible
- Tutorial is made by previous robot competition winners

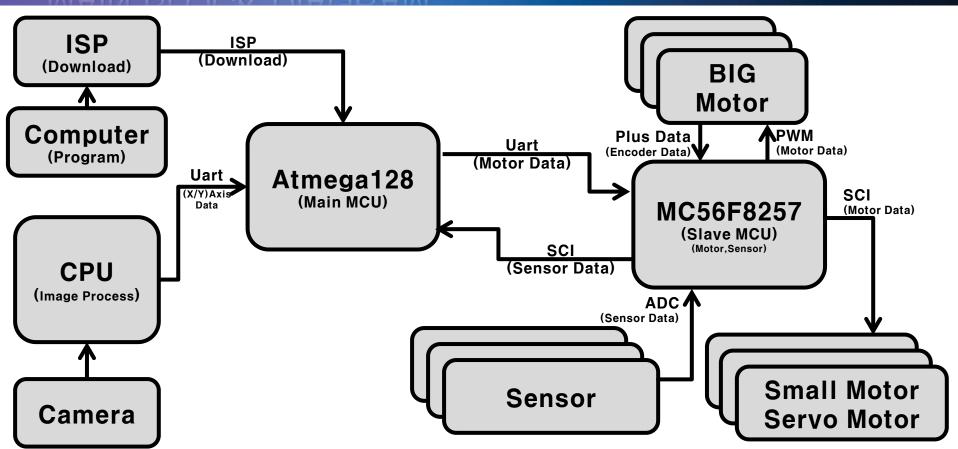
DIFFERENTIATION





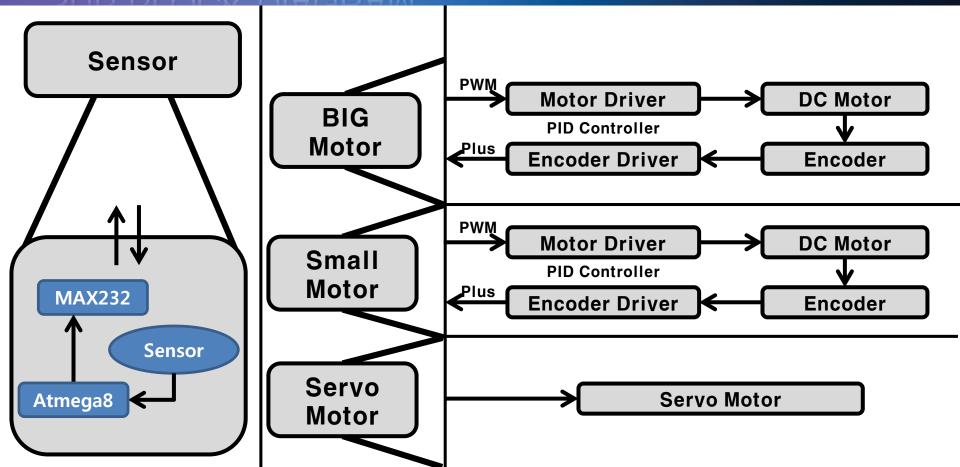
MAIN BLOCK DIAGRAM





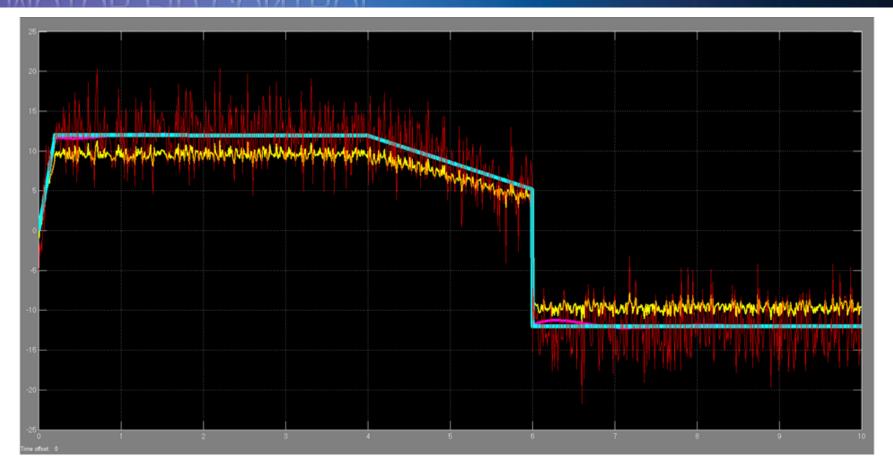
SUB BLOCK DIAGRAM





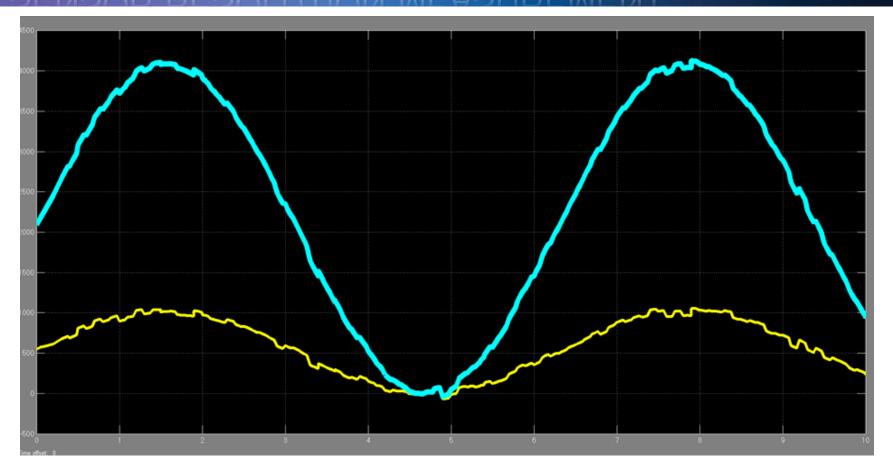
MOTOR PID CONTROL





SENSOR RESOLUTION MEASUREMENT





KIT (PRODUCT DEVELOPMENT)







Bright Education Robot Kit part

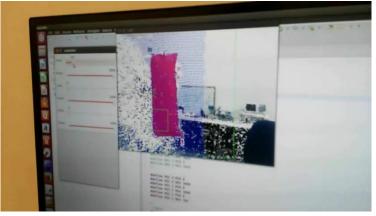
Vision Sensor Unit

O Motor Unit

2 Cameras

2 Motors





THANK YOU