Team Project: 
A Surveillant Robot System

SW & HW Test Results : 04/21/2005

Little Red Team
Chankyu Park (Michel)
Seonah Lee (Sarah)
Qingyuan Shi (Lisa)
Chengzhou Li
JunMei Li
Kai Lin
Demo Environment

Legend:

- RCX: MindStorm Robot
- Camera
- RMI/JINI Interface
- InfraRed Channel
- Camera USB
- Notebook Computer

Remote User

RCX

Surveillant Robot Controller

Main Cam

USB Port X 3

Video Receiver (Rx)

Surveillant RCX Program

Intruder Robot Controller

RCX

Video Transmitter (Tx)

Surveillant Controller & vision detector

Intruder Controller & vision detector

USB Port X 2

Remote User Controller

Notebook Computer

Intruder RCX Program
Problems

- Most test cases are tested
  - But, Whole integration test should be needed for demonstration
  - Intruder robot behavior is not yet tested
  - Color detection is tested but, it depends on surroundings as well as light sensor
  - IR Tower’s sensitivity is very low. This problem is not solved. This is hardware constraint.
  - When we do integration test, some problems happened.
    - Deployment test to other computer has failed. Need to be solved.
    - Each computer has different properties.
Plan

☐ Next Plan
  ■ Demo scenario preparation for Demonstration
  ■ Demo environment building
  ■ Last Test on Monday 04/25