Team Project: A Surveillant Robot System

Functional Analysis

Little Red Team

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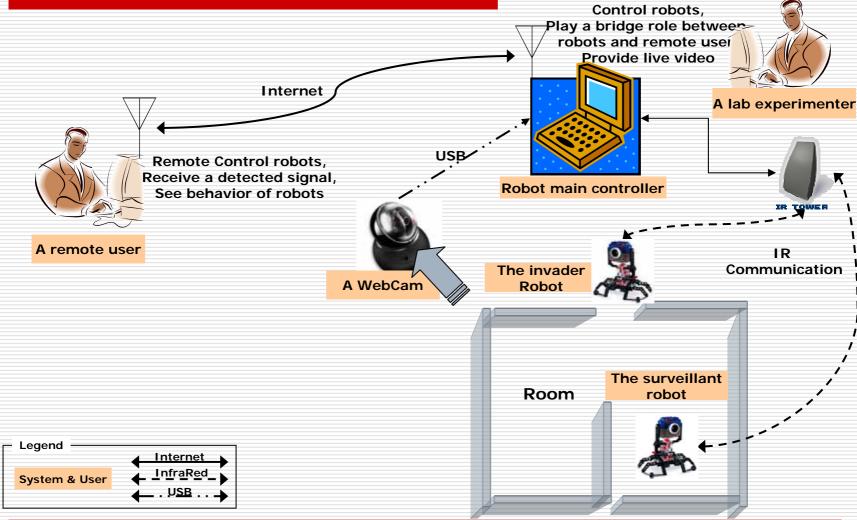
Qingyuan Shi (Lisa)

Chengzhou Li

JunMei Li

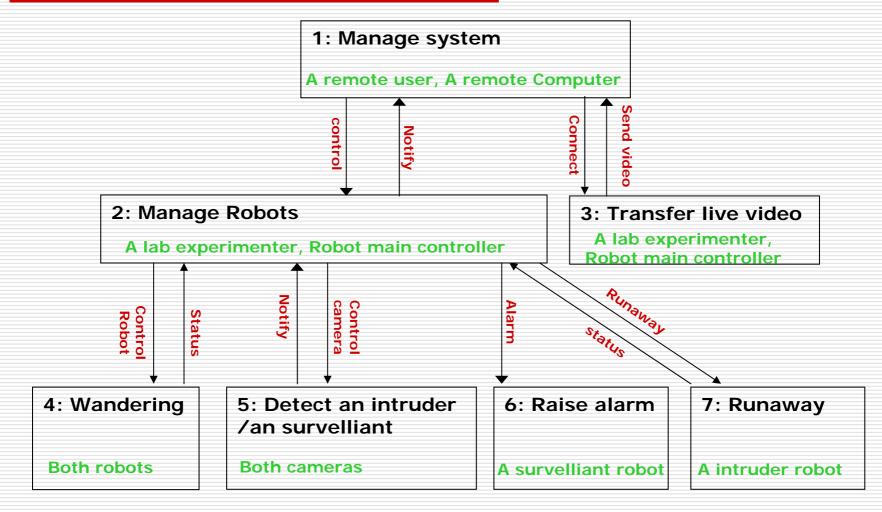


System Overview



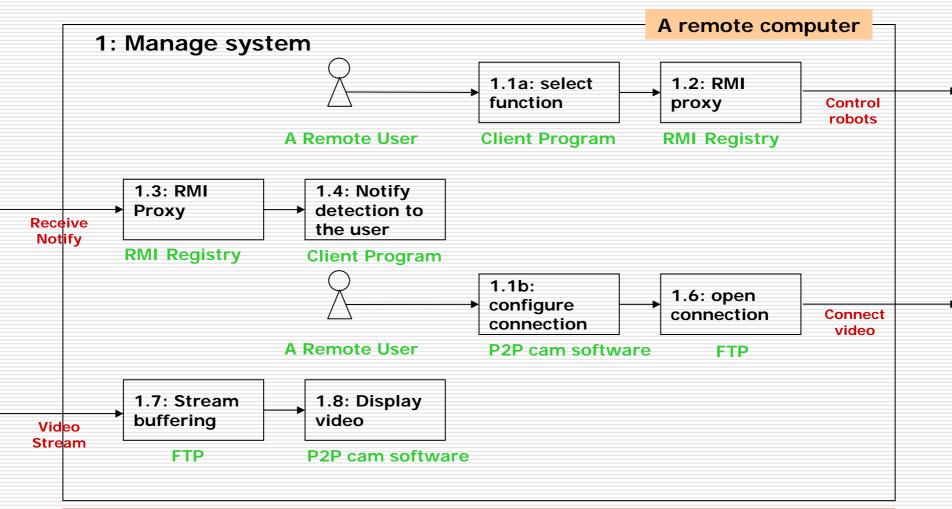


Top-level function



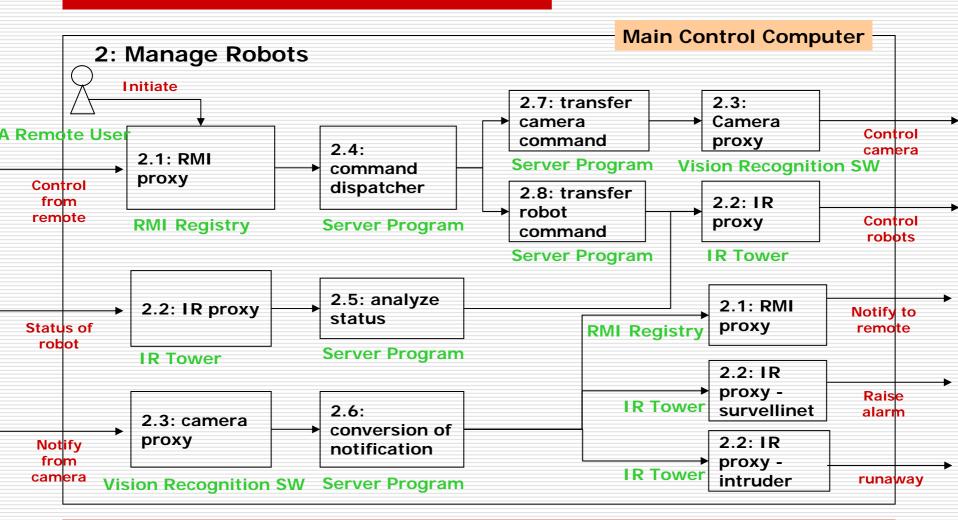


2nd-level functions (1/7)



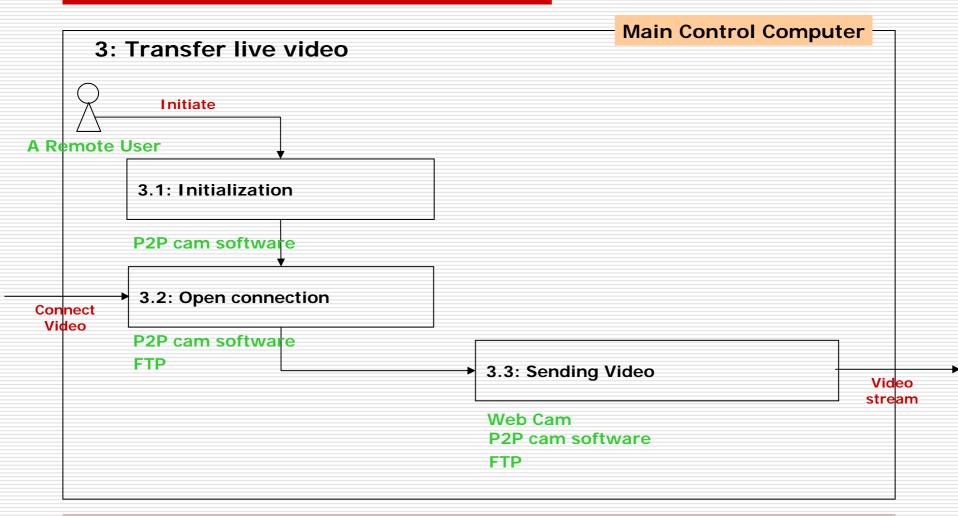


2nd-level functions (2/7)



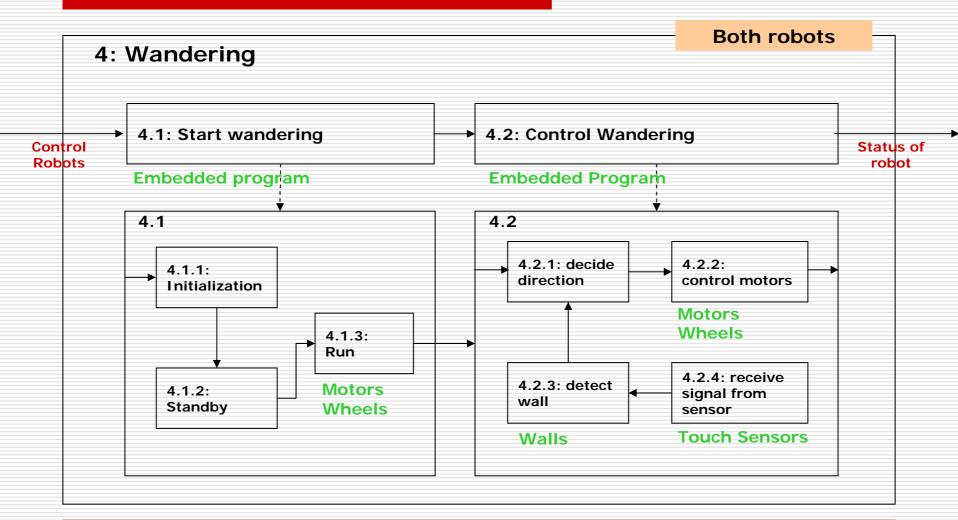


2nd-level functions (3/7)



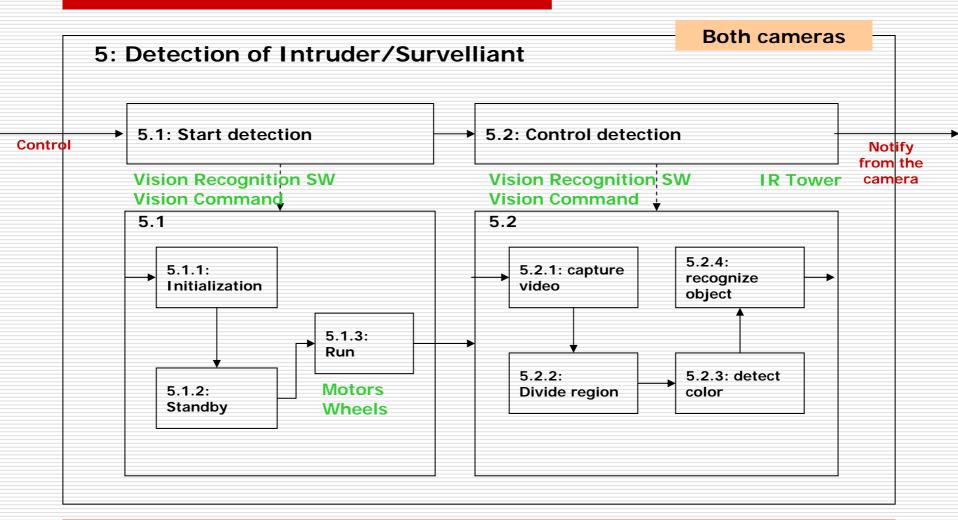


2nd-level functions (4/7)



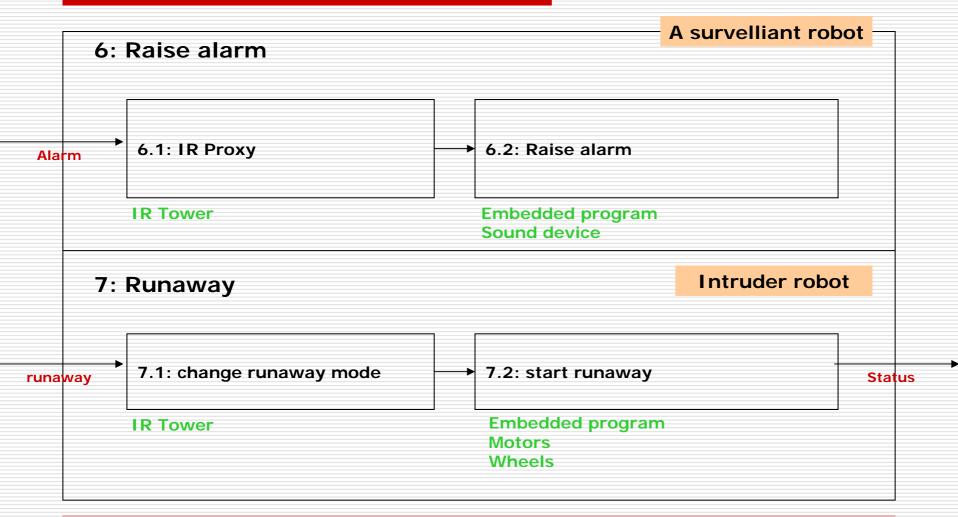


2nd-level functions (5/7)





2nd-level functions (6/7)

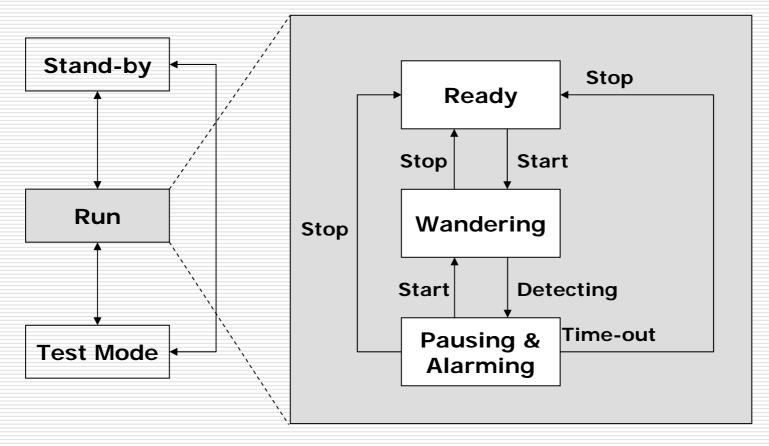




States and Modes - 1

Modes of both robots

States of survellient robot

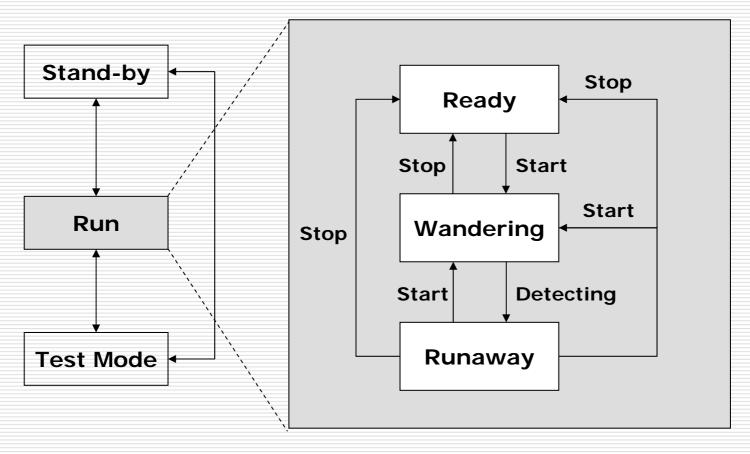




States and Modes - 2

Modes of both robots

States of intruder robots





Functional Architecture

