# 04 Systems Interface Management

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# 1 Introduction

The System Interface Management focuses on the interfaces and flows that systems utilize. The focus on flows and interfaces requires that flow specifications be put in place with ports and part properties of blocks.  These are then modeled in an internal block diagram.

# 2 Intent

The purpose of this technique is to aid in documenting the flows between proxy ports typed by interface blocks, and parts in Internal Block Diagrams. These diagrams show the interaction between the parts and what flows between them.

# 3 Modeling using Flow Properties and IBDs

To effectively model using this technique, the proxy ports will have a type defined by an interface block and possess a signal associated with them.

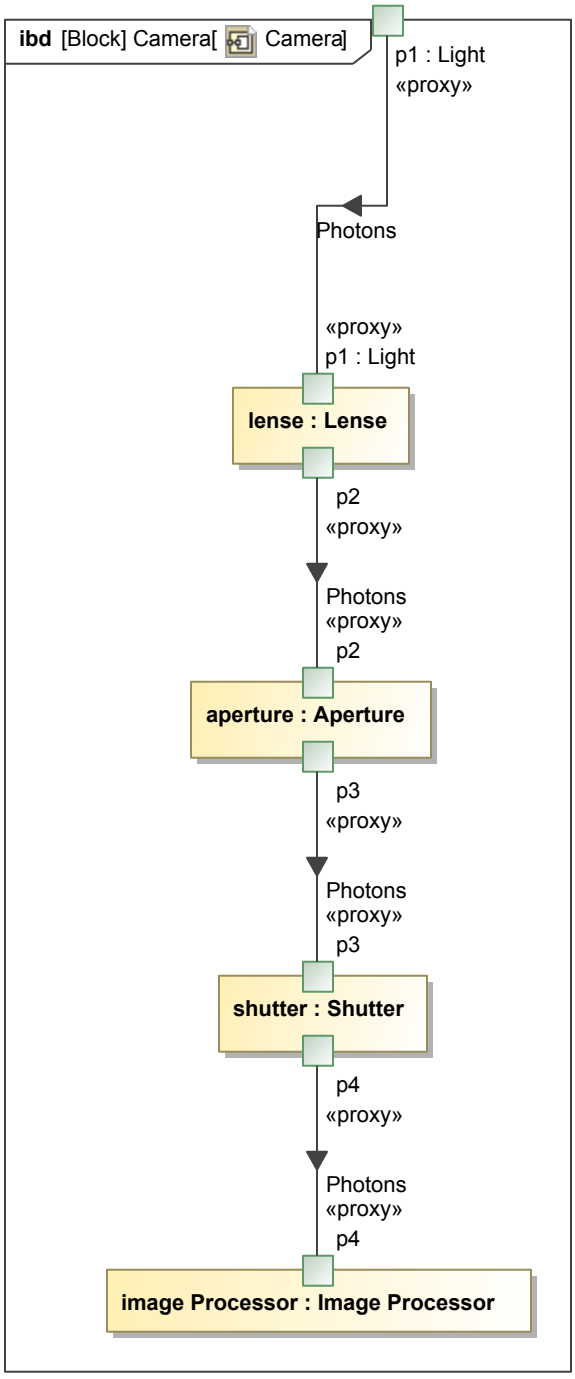


**Figure 1. Camera**

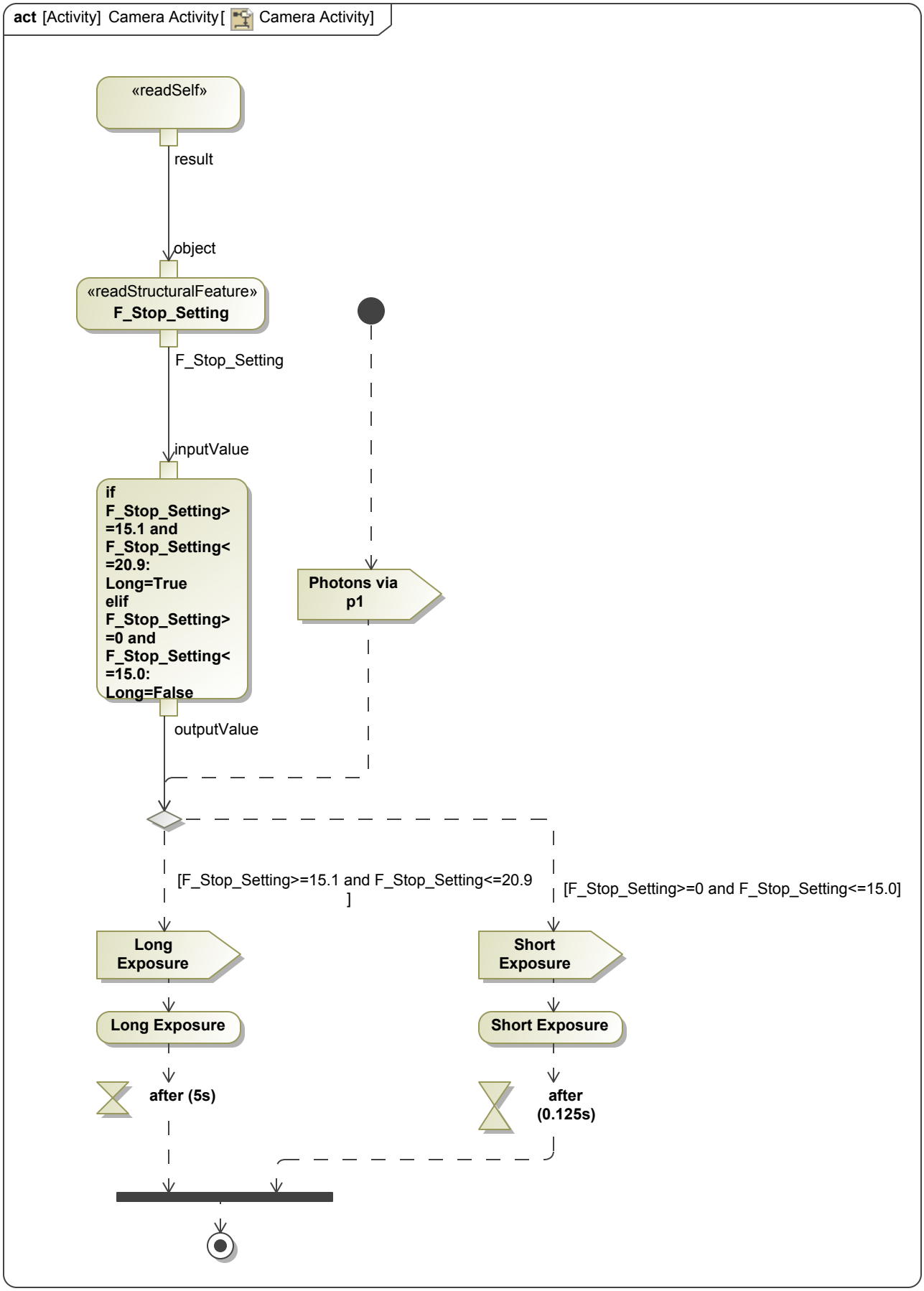


**Figure 2. Camera Activity**

The activity is defined as that after reading the F-Stop setting for the camera, an exposure will be taken. If the F-Stop falls into the range between 15.1 and 20.9, a long exposure will be taken. If the range is between 0 and 15, the short exposure will be taken.