```
Start
  │
  ▼
specify model and
label map paths
  │
  ▼
load files
  │
  ▼
get model
details
  │
  ▼
 (○)
  │
  ▼
CAM_INIT          N        SIGTERM?    Y
condition    ───────►                ──────►  (2)
signaled?
  │ Y
  ▼
 (○) ◄─── (4)
  │
  ▼
sample            N        SIGTERM?    Y
period       ───────►                ──────►
elapsed?
  │ Y
  ▼
 (3)
```

Note: Threshold will be calculated according to the number of objects before being compared to the score.

```
 (3)
  │
  ▼
lock CAM mutex
  │
  ▼
grab frame
  │
  ▼
unlock CAM mutex
  │
  ▼
copy frame to the
common inode
  │
  ▼
invoke
interpreter
  │
  ▼
retrieve
detection results
  │
  ▼
qualifies?    ──── N ──►  (4)
  │ Y
  ▼
signal THREAT_FOUND
condition, passing
event specific data
  │
  ▼
SIGTERM?   ── N ──► (4)
  │ Y
  ▼
 (2)
```

```
 (2)
  │
  ▼
signal ML_EXIT
condition
  │
  ▼
Exit
```