

avging start 512 0 0

parse logic.h

case P- AVGING

- sets # of buffers
- opens board 0 (brdopen0.h)
- opens board 1 (brdopen1.h)
- creates acquisition threads
(createthread0.h)
(createthread1.h)

Starts acquisition threads
(brdstat.h)

brdopen 0.h

- Sets up circular buffers

Bi Circ Ac Setup (Board 0, pBuff 0, Error mode, Cir Setup Options)

- get pointers to images

Bi Buffer Array Get (board 0, pBuff 0, & pBuffer Array 0)

createthread 0.h

- camera error threads

hErr Thread = Create Thread (.)

- capture image threads

hAcq Thread = Create Thread (.)

- Sets priority levels

(currently set to THREAD-PRIORITY-NORMAL)

HW
call

brdstat.h

- Start circular acquisition

Bi Cir Control (Board 0,
pBuff 0, BI START, BitMap)