Mobile Camera Platform Project

**Command Structure**

**Legend:**

x = don’t care

1,2,3,4…. = parameter number

**System Syntax Usage**

Ping *png pngxxxxx*

Get Status *gts [all|tilt angle|pan angle|motor speed] 1 = get 0 = don’t get. gts1234x*

Abort *abt abtxxxxx*

**Camera**

Tilt (absolute) *tlt {abs/rel |degrees} 1 = abs 0 = rel. (222 is right justified. ) tlt1x222*

Pan (absolute) *pan {abs/rel|degrees} 1 = abs 0 = rel. (222 is right justified. ) tlt1x222*

Home *hom [tilt|pan] hom12xxx*

**Drive Motors**

Motor Drive *mtr {motorNum} {speed} [distance] mtr12233*

speed = % up to 99%. distance = distance to travel in cm.

**LCD**

Print Text *txt {*length} {string} txt12…/0

Clear Screen *clr clrxxxxx*

Scroll Text *scr [numChars] [speed] scr11122*

**Lights**

Toggle *led [LED1|LED2] led12xxx*

Blink *blk [LED1|LED2] blk12xxx*

Light Show (flash everything) *lts ltsxxxxx*