

# UAVision Configuration File

| Meaning of information   | Size (bytes) |
|--|--------------|
| Version of the file  | 4            |
| Flag signaling the existence of camera settings  | 4            |
| Flag signaling the existence of a map  | 4            |
| Flag signaling the existence of a mask   | 4            |
| Flag signaling the existence of color ranges   | 4            |
| Exposure   | 4            |
| Gain   | 4            |
| Pixel clock  | 4            |
| White balance blue component   | 4            |
| White balance red component  | 4            |
| Number of columns (nCols)  | 4            |
| Number of rows (nRows)   | 4            |
| CCD column   | 4            |
| CCD row  | 4            |
| Image center column  | 4            |
| Image center column row  | 4            |
| Interior radius  | 4            |
| Exterior radius  | 4            |
| Frames per second  | 4            |
| Video mode   | 4            |
| Color coding   | 4            |
| Number of channels   | 4            |
| Camera was used flag   | 4            |
| Camera running flag  | 4            |
| Map of real coordinates relatively to the robot<br>(vector of nRows*nCols of doubles)          | 1024*1024*1  |
| Mask with the region of the image to be processed<br>(matrix of nRows*nCols of unsigned chars) | 1024*1024*8  |
| Color range(name – 64 chars, Hmax, Hmin, Smax, Smin, Vmax, Vmin)                               | 9*92         |