

Importance Ranked on a 1 - 9 Scale.

| Engineering Rqmt. # | Importance | Source | Engineering Requirement (metric) | Unit of Measure | Marginal Value | Ideal Value |
|---------------------|------------|------------|---|-----------------|----------------|-------------|
| ER1 | 9 | CR1 | Device works with software that is able to recognize a given button from a camera image | Function Exists | N/A | N/A |
| ER2 | 9 | CR2, 19PRP | Device engages correct buttons on screen 99.5% of the time. | Accuracy | ±0.5% | 100% |
| ER3 | 9 | CR7, 19PRP | Device is able to quickly move from point to point within 1 second | Seconds | ±0.1 s | 1 s |
| ER4 | 9 | CR7, 19PRP | Device is able to recognize desired image within 3 seconds | Seconds | ±0.5 s | 3 s |
| ER5 | 9 | CR1, 19PRP | After 100 presses, pointer will not move off of point by more than 1mm | Millimeters | ±1 mm | 0 mm |
| ER6 | 3 | CR7, 18PRP | Device is able to achieve 90 keypresses per minute | presses/minute | ±10 ppm | 90 ppm |
| ER7 | 3 | CR6, 19PRP | Height of head should not exceed 3 inches | Inches | ±0.5 in | 3 in |
| ER8 | 3 | CR6, 19PRP | Width of head should not exceed 3 inches | Inches | ±0.5 in | 3 in |
| ER9 | 3 | CR7, 18PRP | Weight of moving components should be under 10 pounds | Pounds | ±2 lbs | 10 lbs |
| ER10 | 3 | 18PRP | Device is able to press physical buttons | Function Exists | N/A | N/A |

ER is dependent on current design and would be re-worked in the case of a redesign