1. **EER**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Detector** | **Descriptor** | **Proposed 50** | **Random 50** | **Scoring 50** | **Full** |
| **Agast(brisk)** | **Brisk** | **7.4 %** | 16 % | 11.8 % | 9.96 % |
| **Agast(brisk)** | **Surf** | **18.6 %** | 35.4 % | 38 % | 32.4 % |
| **Agast(brisk)** | **Freak** | **12.4 %** | 22.7 % | 33.6 % | 24.1 % |
| **Hessian(Surf)** | **Freak** | **12.4 %** | 23.2 % | 36.9 % | 16.8 % |

1. Precision & Accuracy (영상 전체 기준)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Detector** | **Descriptor** |  | **Precision** | **Accuracy** |
| **Agast(brisk)** | **Brisk** | **Proposed 50** | **50.4** | **93.4** |
| **Random 50** | 95.8 | 93.0 |
| **Scoring 50** | 100.0 | 87.2 |
| **Full** | 8.7 | 31.1 |
| **Agast(brisk)** | **Surf** | **Proposed 50** | **20.7** | **23.9** |
| **Random 50** | 20.7 | 27.8 |
| **Scoring 50** | 20.1 | 21.9 |
| **Full** | 20.0 | 20.0 |
| **Agast(brisk)** | **Freak** | **Proposed 50** | **22.8** | **33.4** |
| **Random 50** | 23.8 | 38.6 |
| **Scoring 50** | 24.0 | 42.0 |
| **Full** | 20.0 | 20.0 |
| **Hessian(Surf)** | **Freak** | **Proposed 50** | **25.5** | **41.4** |
| **Random 50** | 23.6 | 35.6 |
| **Scoring 50** | 24.9 | 43.8 |
| **Full** | 20.0 | 20.0 |

1. Precision & Accuracy (특징점 – EER 기준 )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Detector** | **Descriptor** |  | **Precision** | **Accuracy** |
| **Agast(brisk)** | **Brisk** | **Proposed 50** | **50.4** | **93.4** |
| **Random 50** | 78.2 | 92.1 |
| **Scoring 50** | 66.2 | 88.6 |
| **Full** | 39.1 | 90.0 |
| **Agast(brisk)** | **Surf** | **Proposed 50** | **50.4** | **80.2** |
| **Random 50** | 31.7 | 65.1 |
| **Scoring 50** | 31.8 | 65.8 |
| **Full** | 34.3 | 67.6 |
| **Agast(brisk)** | **Freak** | **Proposed 50** | **62.0** | **86.8** |
| **Random 50** | 47.5 | 78.4 |
| **Scoring 50** | 32.9 | 66.2 |
| **Full** | 44.0 | 75.9 |
| **Hessian(Surf)** | **Freak** | **Proposed 50** | **60.8** | **86.2** |
| **Random 50** | 46.0 | 77.3 |
| **Scoring 50** | 31.6 | 65.3 |
| **Full** | 55.0 | 83.1 |