

1

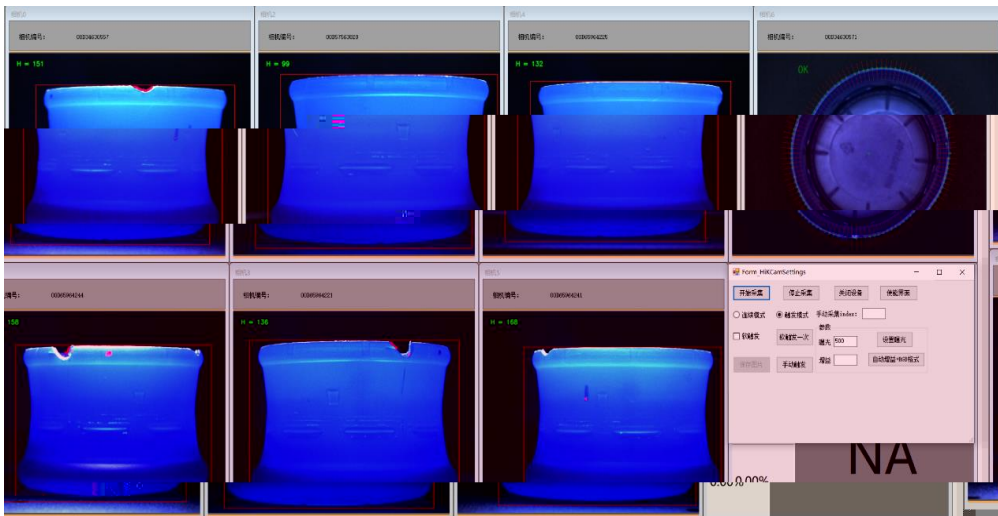
49

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2

[1]

62076166 56 2021.1-2024.12

[2]

61806208

2019.1-2021.12 26

[3]

2021.1-2022.12

20

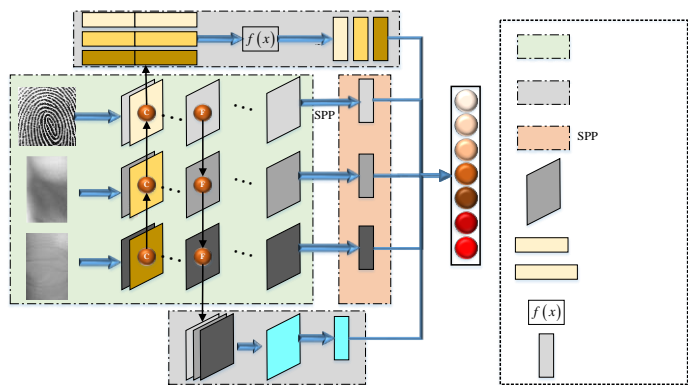
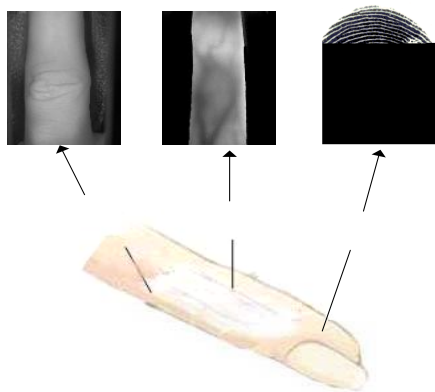
Biometrics

Fingerprint, FP

Finger Knuckle Print FKP

Finger Vein, FV

CNN GCN



3

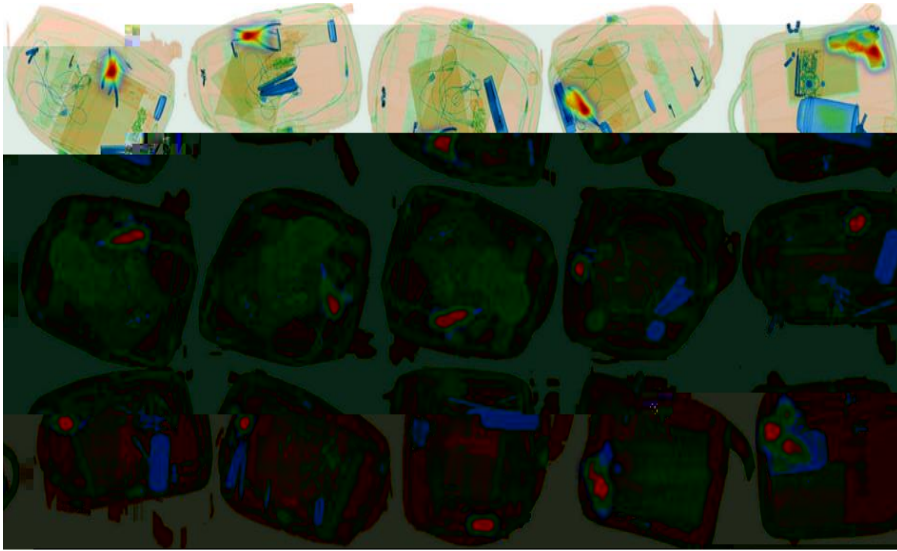
X

X

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X



1

2

python C++

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