

## Biometrics Fingerprint

Access control



Slim display



Robust



Portable



Custom size



### Key Features & Benefits:

- Full range of FP module (FAP10 to FAP60)
- Light, compact and robust - Plastic based solution
- Read-Out System Controller
  - Integrated GOA
  - ROIC
  - Sequencer
  - Power supply 3.3V (USB compatible)
- Outdoor usage
  - Dry and wet finger
  - Sunlight operation compatible
- Mobile ID compatible

### Differentiation:

- Robust
- One technology for any-size
- Slim optical solution
- Compact scanner

### Applications:

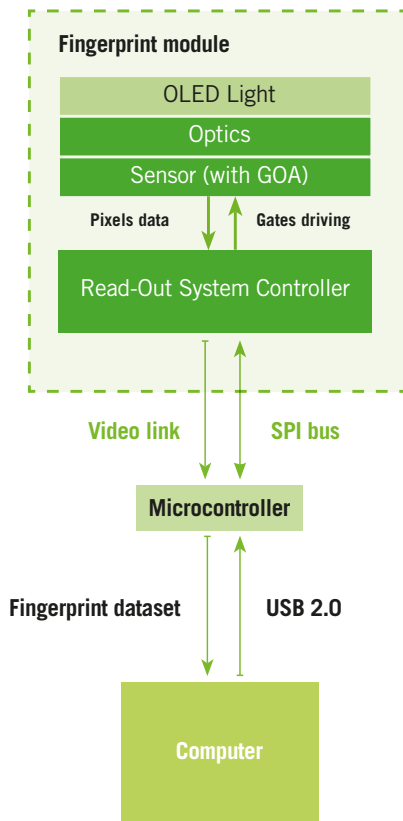
- Border control
- Citizen ID
- Police
- Access control
- Banking / ATM

	FAP 10	FAP 20	FAP 30	FAP 40	FAP 45	FAP 50	FAP 60
Size							
Resolution (Pixel)	250x325	300x400	400x500	800x750	800x750	1600x1000	1600x1500
Finger	1	1	1	1~2	1~2	1~4	1~4
FBI Spec	PIV				Appendix F		

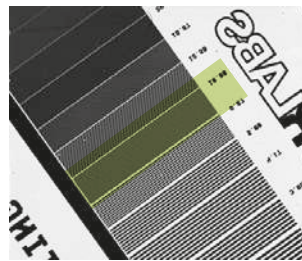
# TECHNICAL DATA

- Resolution: 500 DPI
- FBI Compliant (PIV, App F)
- Mobile ID compatible
- Operating temperatures: From 0°C to 40°C
- Storage temperatures: From -10°C to 50°C
- Relative humidity: 0% - 85% Non-condensing

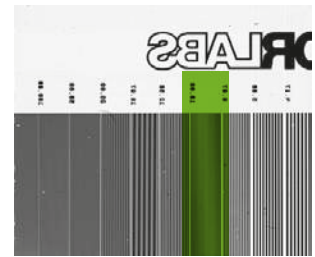
## System Block Diagram



## Contrast Performance (CTF bar target)

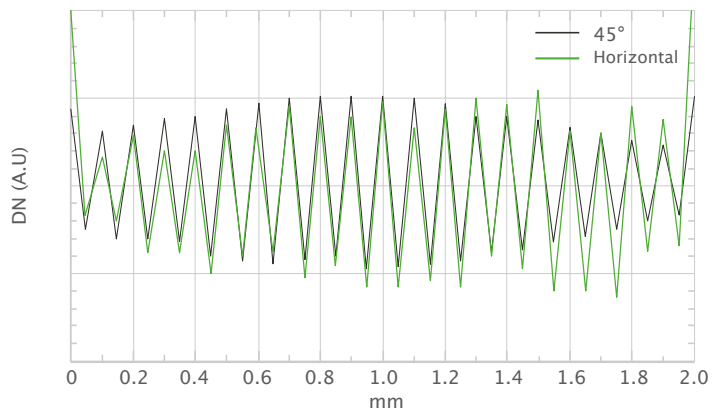


Tilted



Horizontal

## Line plot (10 cyc/mm)



# SPECIFICATIONS

Key Parameters	Target Specifications		
	FAP10	FAP45	FAP60
FAP Profile	FAP10	FAP45	FAP60
NB ROIC (620 channels per ROIC)	1	2	3
Image acquisition time	10 ms	34 ms	64 ms
Power Consumption under 3.3 V in acquisition mode	370 mA	740 mA	1110 mA
Power Consumption under 3.3 V in sleeping mode	200 µA	400 µA	600 µA