



IoT BU Product Roadmap-2020Q1

创新应用智慧端口器件的领导者和场景解决方案的领先者



Face
Recognition



Tencent 腾讯



Smart office

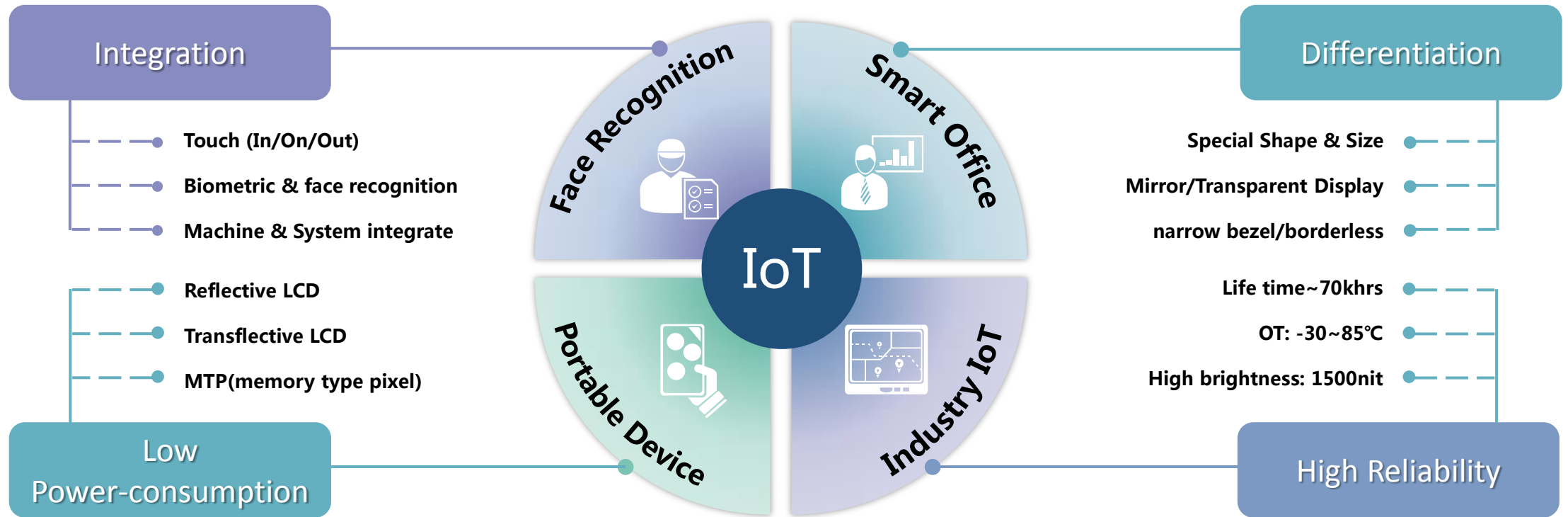


Portable device



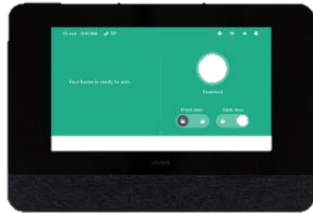
Industry IoT





IoT BU Face recognition Products

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MP	DEV	PLAN
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DEV	3.97"
ADS	480 x 800
TLCM MIPI, GF	

DEV	5"
ADS	720 x 1280
TLCM, MIPI, -GG	

MP	5.5"
ADS	720 x 1280
TLCM MIPI,GFF	

PLAN	6.6
ADS	720 x 720
TLCM MIPI,GFF or TDDI	

DEV	6.95"
ADS	600 x 1024
TLCM MIPI,SLOC	

MP	8"
ADS	800 x 1280
TLCM MIPI, MLOC	

DEV	8"
ADS	800 x 1280
TLCM MIPI, GG	

Dev	8
ADS	1200 x 1920
TLCM MIPI, GFF	

PLAN	8.7"
ADS	800 x 1280
TLCM MIPI,TDDI	

DEV	10.1" WXGA
ADS	800 x 1280
TLCM MIPI,GFF	

PLAN	10.1"
ADS	1200 x 1920
TLCM MIPI,TDDI	

MP	15.6
ADS	1920 x 1080
LCM eDP,72%NTSC	



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MP	DEV	PLAN
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DEV	2" Round
ADS	320 x 280
LCM	
LVDS	

MP	2.83"
ADS	240 x 320
TLCM, 350nit, 800:1	
20Khr, MCU, GF	

DEV	2.83"
ADS	480 x 640
TLCM	
LVDS, GF	

MP	4.3"
TN	480 x 272
TLCM,GG, 700:1	
20Khr, RGB -20~70°C	

MP	5"
TN	800 x 480
LCM, 350nit, 600:1	
20Khr, RGB, -20~70°C	

MP	5"
ADS	800 x 480
LCM, 350nit, 1000:1	
20Khr, MIPI, -20~70°C	

DEV	5.0"
ADS	800 x 480
TLCM	
LVDS,GFF	

PLAN	6"
LTSPS	HD or FHD
TLCM	
MIPI,TDDI	

MP	7"
ADS	1024 x 600
TLCM, GFF, 800:1	
20Khr, LVDS, -20~70°C	

MP	10.1"
ADS	1024 x 600
TLCM	
LVDS,GFF	

DEV	10.1"
ADS	1280 x 800
LCM	
LVDS	

DEV	10.1" WUXGA
ADS	1920 x 1200
TLCM	
MIPI, TDDI	



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MP	1.4"
ADS	320 x 320
LCM, 350nit, 900:1 20Khr, RGB, -20~70°C	

MP	2.0"
ADS	480 x 360
Cell, NTSC 60%, 1500:1 Trans 5.1%, -20~70°C	

MP	2.2"(MMG 4.1)
ADS	640 x 320
SLOC, NTSC 65% 1000:1, -20~70°C	

DEV	2.27"
ADS	368 x 552
TLCM, 1000nit, 1000:1 20Khr, MIPI, -30~80°C	

MP	2.35"
ADS	320 x 480
Cell, NTSC 64%, 1500:1 Trans 6.75%, -20~70°C	

MP	2.42"
TN	240 x 400
SLOC, NTSC 50% 350:1, RGB, -20~70°C	

MP	2.95"
ADS	1080 x 720
TLCM TDDI, 800nit 1200:1, MIPI, -20~70°C	

PLAN	2.97"
ADS	254 x 800
Cell MIPI, SLOC	

MP	3.46"
ADS	340 x 800
SLOC, NTSC 65% 900:1, RGB, -20~70°C	

MP	3.6"
ADS	1024 x 768
TLCM SLOC, 900nit, 1200:1 20Khr, MIPI, -20~70°C	

MP	4.1"(MMG 2.2)
ADS	640 x 1160
SLOC, NTSC 65% 1000:1, -20~70°C	

MP	5.5"
ADS	1080 x 1920
TLCM, GFF, 1000nit, 1200:1 20Khr, MIPI, -20~70°C	

Remark: MDL or TLCM could be customized.



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MP	DEV	PLAN
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DEV	5"
ADS	800 x 480
TLCM MIPI,SLOC	

DEV	6.95"
TN	1024 x 600
TLCM MIPI,SLOC	

MP	7" WVGA
TN	800 x 480
LCM, 300nit,600:1 30Khr, RGB,-30~80°C	

MP	10.1"
TN	1024 x 600
LCM,350nit,700:1 50Khr,LVDS, -20~70°C	

MP	10.1"
ADS	1280 x 800
FOB/LCM LVDS/MIPI/eDP	

MP	15"
TN	1024 x 768
LCM, 300/350nit, 700:1 50Khr, LVDS, -20~70°C	

PLAN	15"
ADS	1024 x 768
LCM, 300/350nit, 1000:1 50Khr, LVDS, -20~70°C	

MP	15.6"
ADS	1920 x 1080
FOB NTSC 72%,1000:1	

DEV	19"
ADS	1280 x 1024
LCM, 450nit, 1000:1 50Khr, LVDS, -20~70°C	

MP	21.5"
ADS	1920 x 1080
LCM,350nit,1000:1 30Khr,LVDS, -20~70°C	

PLAN	21.5"
ADS	1920 x 1080
LCM,350nit,1000:1 50Khr,LVDS, -20~70°C	

DEV	32"R-LCD
LTPS	1920 x 1080
FOB -30~80°C	

Remark: Could support at least 3 years.



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Size	Resolution	Type	Mode	Luminance	NTSC	CR	Interface	State
1.3	240*240	ADS	TLCM(SLOC)	550 (Typ.)	50% (Typ.)	1000:1 (Typ.)	SPI	DEV
1.39	454*454	AMOLED	MDL	350 (Typ.)	100% (Typ.)	20000:1 (Typ.)	MIPI	MP
1.4	320*320	ADS	MDL	500 (Min.)	70% (Typ.)	900:1 (Typ.)	RGB	MP
1.41	320*360	ADS	TLCM(TDDI)	420 (Typ.)	70% (Typ.)	1000:1 (Typ.)	MIPI	MP
2.47	480*480	Round ADS	MDL	400 (Typ.)	70% (Typ.)	1000:1 (Typ.)	MIPI	MP
2.83	240*320	ADS	TLCM (GF)	350 (Typ.)	70% (Typ.)	1000:1 (Typ.)	RGB	MP
3.6	1024*768	ADS	TLCM (SLOC)	900 (Typ.)	70% (Typ.)	1200:1 (Typ.)	MIPI	MP
3.93	1280*720	LTPS	CELL	/	60% (Typ.)	1500:1 (Typ.)	LVDS	MP
3.97	800*480	ADS	CELL	/	70% (Typ.)	900:1 (Typ.)	/	MP
4.3	480*272	TN	TLCM (GG)	288 (Min.)	50% (Typ.)	700:1 (Typ.)	RGB	MP

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Size	Resolution	Type	Mode	Luminance	NTSC	CR	Interface	State
5	800*480	ADS	CELL	/	70% (Typ.)	1500:1 (Typ.)	/	MP
	1080*1080	Round ADS LTPS Customized	TLCM (GFF)	400 (Typ.)	86% (Typ.)	1300:1 (Typ.)	MIPI	MP
5.2	1080*1920	LTPS	FOG	/	50% (Typ.)	1500:1 (Typ.)	MIPI	MP
5.5	1920*1080	ADS	MDL	1000 (Typ.)	70% (Typ.)	1000:1 (Typ.)	MIPI	MP
7	1024*600	ADS	MDL	400 (Typ.)	50% (Typ.)	900:1 (Typ.)	LVDS	MP
	800*480	TN	MDL	320 (Typ.)	50% (Typ.)	500:1 (Typ.)	RGB	MP
	800*1280	ADS	MDL	400 (Typ.)	50% (Typ.)	900:1 (Typ.)	MIPI	MP
8	768*1024	ADS	MDL	300 (Typ.)	70% (Typ.)	900:1 (Typ.)	MIPI	MP
	800*1280	ADS	TLCM (TDDI)	350 (Typ.)	60% (Typ.)	1000:1 (Typ.)	MIPI	MP
	1200*1920	ADS	MDL	410 (Typ.)	60% (Typ.)	900:1 (Typ.)	MIPI	MP

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Size	Resolution	Type	Mode	Luminance	NTSC	CR	Interface	State
10.1	1024*600	TN/ADS	MDL	350 (Typ.)	50% (Typ.)	600:1 (Typ.)	LVDS	MP
	800*1280	ADS	MDL	450 (Typ.)	50% (Typ.)	900:1 (Typ.)	LVDS	DEV
	1200*1920	ADS	TLCM (TDDI)	380 (Typ.)	70% (Typ.)	1000:1 (Typ.)	MIPI	MP
15	1024*768	TN	MDL	350 (Typ.)	56% (Typ.)	700:1 (Typ.)	LVDS	MP
15.6	1920*1080	ADS	MDL	250 (Typ.)	45% (Typ.)	800:1 (Typ.)	eDP	MP
15.6	1366*768	ADS	MDL	250 (Typ.)	45% (Typ.)	800:1 (Typ.)	eDP	MP
21.5	1920*1080	ADS	MDL	300 (Typ.)	72% (Typ.)	800:1 (Typ.)	LVDS	MP
23.6	1920*1080	ADS	OC	/	72% (Typ.)	1000:1 (Typ.)	LVDS	MP
32	1366*768	ADS	OC	/	72% (Typ.)	1200:1 (Typ.)	LVDS	MP

IoT BU Product Roadmap

Sector	Roadmap	2021	2022
 Face recognition	Standard Product Differentiation Product Integration Product	<ul style="list-style-type: none"> • 6.x/8 Full screen • 5 round /6.6 square • 10.x Privacy/NFC 	<ul style="list-style-type: none"> • 6~21.5 total size& machine product • Camera/Privacy/NFC integrated
 Smart Office	IP Phone Printer Projector	<ul style="list-style-type: none"> • 10.1TDDI/6LTPS CG • Larger size , 6.5~12 • 2~5inch Tr. ↑20% , 180Hz 	<ul style="list-style-type: none"> • 5/6/10.1 machine solution • 2~10.1 free form LCD&OLED (circular/bar/curve) • Miniature projector
 Portable Device	Translator E-book Action camera	<ul style="list-style-type: none"> • 2.x~5.x customized size • 6.x~11.x Transflective LCD • Touch under water 	<ul style="list-style-type: none"> • Foldable & Flexible display • Transflective product • 1.x~5inch portable product
 Industry IoT	Outdoor machine High standard Industry standard	<ul style="list-style-type: none"> • 43/55 Reflective LCD • 7WU/8WU/10.1UHD/7.4OLED • 2.4~27inch industry standard product 	<ul style="list-style-type: none"> • 55~65 R-LCD product • 15UXGA/15~17inch 3K2K • 2.4~27inch product+system

THANK YOU



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