

科创板风险提示

本次股票发行后拟在科创板市场上市，该市场具有较高的投资风险。科创板公司具有研发投入大、经营风险高、业绩不稳定、退市风险高等特点，投资者面临较大的市场风险。投资者应充分了解科创板市场的投资风险及本公司所披露的风险因素，审慎作出投资决定。

广东奥普特科技股份有限公司

OPT Machine Vision Tech Co., Ltd.

	A		
	2,062		25%
	8,247.5670		
	1.00		
	2020	12	22
	2020	12	14

“ ”

17.31% 27.24% 26.00% 0.47%

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10%

2.93

21.57%

3C

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70%

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3C

2019

25.76% 32.54% 30.45% 6.85%

LED

39.28% 39.61% 39.28%

33.90%

78.56%

96.03%

58.92%

72.02%

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2019

				1,900.52		3,511.89		5,008.05		2,228.45
				48.08%	49.69%	51.82%		43.72%		
6.28%	8.32%	9.55%	9.27%					4,023.32		4,916.40
	5,007.33		2,718.98					100.00%	100.00%	99.17%
97.65%				13.30%	11.65%	9.55%		11.31%		

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			2019		7.26	
1.19		2019		686		514
			5.25		0.58	
2020	6		151		47	

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2020 1-9

2020 6 30

2020 9 30

2020 1-9

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[2020]38292 ”

2020 9 30

80,690.10

11,242.02

69,448.08

2020

1-9

46,304.05

9.48%

18,142.38

2.03%

17,281.24

2.57%

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2020

2020

58,500.00

63,500.00

11.51%

21.04%

22,200.00

24,780.00

7.53%

20.03%

2020

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		OPT Vision Limited
		VST
		OPT Machine Vision GmbH
		" "
		Keyence Corporation 6861.T
		Cognex Corporation CGNX.O
		002415.SZ
		600288.SH
CCS		CCS
		Apple Inc.

CATL		300750.SZ
ATL		
		2,062
A		
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		2017 2018 2019 2020 1-6
		2017 12 31 2018 12 31 2019 12 31 2020 6 30

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		IR UV
		lm
		lx lm/

		720p 1280*720= 921600 100
		Robustness
2D		
3D		
AI		Artificial Intelligence
ASIC		
CCD		Charge Coupled Device
CMOS		Complementary Metal-Oxide-Semiconductor
FPGA		Field Programmable Gate Array
GPU		Graphics Processing Unit
LED		Light Emitting Diode LED
OCR		Optical Character Recognition
OCV		Optical Character Verification OCR

PCB		Printed Circuit Board
PCBA		Printed Circuit Board Assembly PCB
TOF		Time of Flight 3D

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	2006 3 24
	2016 9 27
	6,185.5670
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	C40

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	A		
	1.00		
	2,062		25%
	2,062		25%

	8,247.5670		
	2019		
	9.60 30	2020 6	3.33 2019
	30	2020 6	2019
	A		
	10 12	10 10%	10 206.20 3
	103.10	2020 12 18 24	5% T-2

	2020	12	14
	2020	12	17
	2020	12	21
	2020	12	22
	2020	12	24

17

5,000.00	12,000.00
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Know-How

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					0.01A-20A 20 ~65 1%
					100A 1.5%
			Overdrive		48V 20A ≤1ms 20
					3~48V LED
					—— 0 ≤10μs 40Khz 0.01A-20A 1%
					1ms 100M 12ms 9600bps 50μs
			OPT		
			OPT_EPC		
					405nm 656nm

		2D		
		3D		3D 3D 3D 3D 3D 3D 0.1% 3D 0.083%
		TBB		

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≥ 6000

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2020

1		59,573.12
2		30,659.78
3		19,115.21
4		12,483.08
5		5,449.90
6		15,000.00
		142,281.09

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	A			
	1.00			
	2,062		25%	
	10			
			10%	206.20
			3	
	10			
	12			
	5%			
	103.10	2020	12	18 T-
	2	24		
	2019			

		200
		4.2%
		2,000
		500
		300
		427.36
		24.57

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1012

0755-82130833

0755-82131766

26

7

0755-23993388

0755-86186205

19 68 A-1 A-5

020-29099866

020-37222977

	19	37	305-306
010-52596085			
010-88019300			
	6003		B 03
010-59626911			
0755-36866661			
	166		36
021-58708888			
021-58899400			
4000029129200042215			
	528		
021-68808888			
021-68804868			

	2020 12 14
	2020 12 17
	2020 12 21
	2020 12 22
	2020 12 24

2,062 25%
 309.3 15.00%

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2% 5%

1	10	5%	4,000
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6,000			
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5% 103.10

2020 12 18 T-2

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2020 11 2

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1				35.15%

2				34.63%
3				8.98%
4				1.17%
5				1.00%
6				1.00%
7				0.57%
8				0.52%
9				0.50%
10				0.50%
11				0.50%
12				0.50%
13				0.47%
14				0.47%
15				0.45%
16				0.45%
17				0.45%
18				0.45%
19				0.43%
20				0.42%
21				0.42%
22				0.42%
23				0.42%
24				0.40%
25				0.40%
26				0.40%
27				0.40%
28				0.38%
29				0.37%
30				0.37%
31				0.37%
32				0.35%
33				0.35%
34		PM		0.35%
35				0.35%
36				0.33%

37				0.33%
38				0.33%
39				0.33%
40		PM		0.33%
41				0.33%
42				0.33%
43				0.33%
44				0.33%
45				0.33%
46				0.33%
47				0.33%
48				0.33%
49				0.33%
50				0.33%
51				0.33%
52				0.33%
				100%

2020 12 18 T-2

2

10

10.00% 206.20

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2020 6 30

437

38.20%

于

17.31% 27.24% 39.39% 19.42%

17.31% 27.24% 26.00% 0.47%

	30,258.49	42,209.52	52,454.81
24,031.09	71.38%	71.29%	73.59%
		69.10%	

2019

10%	2.93	21.57%
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3C

3C

3C

70%

3C

3C

3C

4.0

2019

25.76% 32.54% 30.45% 6.85%

LED

39.28% 39.61% 39.28%

33.90%

78.56%

96.03%

58.92%

72.02%

2019 11

3 IPO

30

			8,917.47	12,979.44
17,966.55	23,200.29		33.19%	29.87%
27.82%	33.68%		2020 6	1
	22,401.07		96.56%	

			4,652.92	6,555.24
5,380.90	6,129.84		17.32%	15.09% 8.33%
8.90%				

43.41% 47.79% 48.96% 12.36%

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12772466 “ ”

2019 9 16

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[2020]

0000019526 12772466 “ ”

2020 7

29 2020 73 4750

87,872.61

3,372.14

6,233.21

337.21

114,513.59

	OPT Machine Vision Tech Co., Ltd.
	6,185.5670
	2006 3 24
	2016 9 27
	8
	523853
	0769-82716188
	0769-81606698
	http://www.optmv.com/

45% 44%

1%

10%

2016 9 8

2016 5 31

126,691,191.71

6,000

2016 9 26

[2016]15315

2016 9 27

91441900786473896E

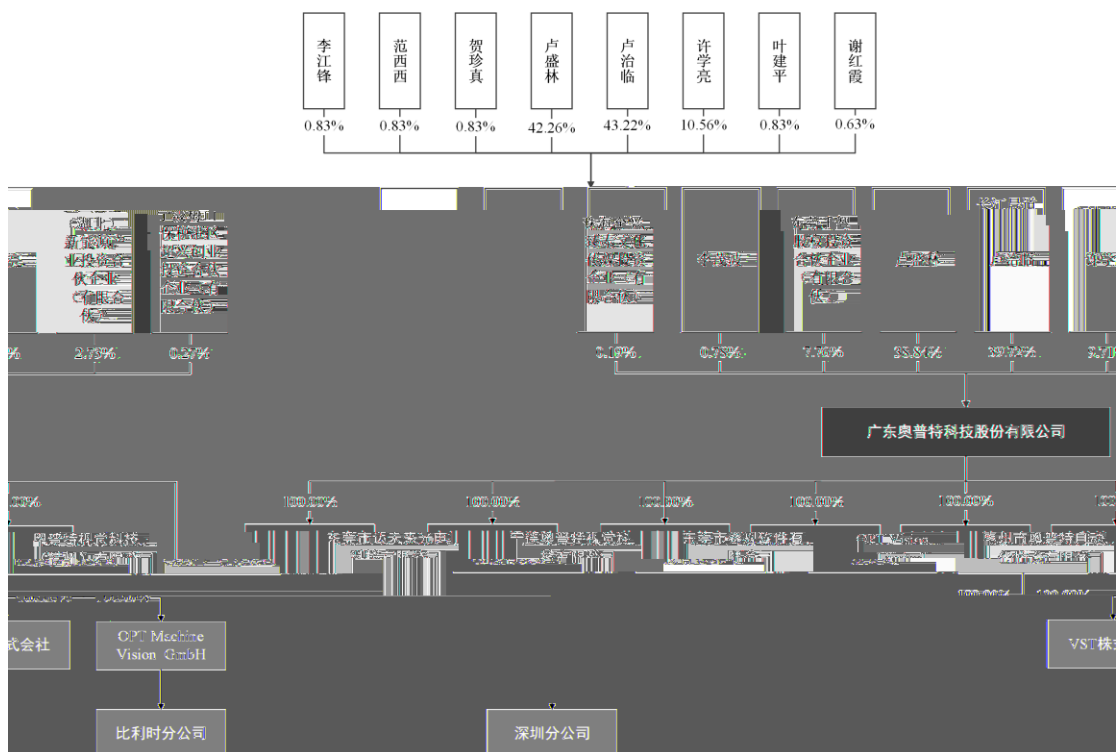
	/		
1		2,457.00	40.95%
2		2,402.40	40.04%
3		600.60	10.01%
4		480.00	8.00%
5		60.00	1.00%
		6,000.00	100.00%

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	/		
1		2,457.00	40.95%
2		2,402.40	40.04%
3		600.60	10.01%
4		480.00	8.00%

	/		
4		480.0000	7.76%
5		168.7113	2.73%
6		48.0000	0.78%
7		16.8557	0.27%
8		12.0000	0.19%
		6,185.5670	100.00%

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	2015 7 16		
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	100%		
		2020 1-6 /2020-6-30	2019 /2019-12-31
		34,128.37	54,249.32
		-609,689.68	-497,321.25
		-112,368.43	-91,105.08

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		2017	12 13
		7,100	
		2,979.50	
		100%	
		2020 1-6 /2020-6-30	2019 /2019-12-31
		29,276,139.18	29,744,738.42
		27,413,996.37	27,906,368.44
		-492,372.07	-1,079,890.87

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38.84% 39.72% 78.56%

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1		600.60	9.71%
2		480.00	7.76%

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	1			11	10.56%
	2			45	43.22%
	3			44	42.26%
	4			0.8676	0.83%
	5			0.8676	0.83%
	6			0.8676	0.83%
	7			0.8676	0.83%
	8			0.6508	0.63%
				104.1212	100.00%
		2020 1-6 /2020-6-30		2019 /2019-12-31	
		1,749,000.85		1,709,064.57	
		1,749,000.85		1,709,064.57	
		3,919,936.31		4,164.57	

2020 4 2

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1				11.0000	10.56%	0.8198%
2				45.0000	43.22%	3.3538%
3				44.0000	42.26%	3.2793%
4				0.8676	0.83%	0.0647%
5				0.8676	0.83%	0.0647%
6				0.8676	0.83%	0.0647%
7				0.8676	0.83%	0.0647%
8				0.6508	0.63%	0.0485%
				104.1212	100.00%	7.7602%

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1		2,457.00	
2		2,402.40	
3		600.60	
4		48.00	

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1			168.7113	64.67	2019 12	
2			16.8557	64.67	2019 12	
3			12.0000	64.67	2019 12	

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	315,100.00				

	1			100.00	0.03%
	2			50,000.00	15.87%
	3			50,000.00	15.87%
	4			50,000.00	15.87%
	5			50,000.00	15.87%
	6			40,000.00	12.69%
	7			20,000.00	6.35%
	8			20,000.00	6.35%
	9	TCL		15,000.00	4.76%
	10			10,000.00	3.17%
	11			10,000.00	3.17%
				315,100.00	100.00%

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	2			690	69.00%
	3			300	30.00%
				1,000.00	100.00%

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	20,000				
	1			200.00	1.00%
	2			19,800.00	99.00%
				20,000.00	100.00%

1979 10

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	2017 3 31				
	815				
	1			100.00	12.27%
	2			215.00	26.38%
	3			100.00	12.27%

	2012 12 27				
	6,500				
	1			1,053.00	16.20%
	2			2,535.00	39.00%
	3			1,300.00	20.00%
	4			962.00	14.80%
	5			650.00	10.00%
				6,500.00	100%

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	2019 12	2019 12
	/ 3 IPO	
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/			
	1		
	2	2,457.00	39.72%
	3	10.56%	
		2,402.40	38.84%
	4	43.22%	
		42.26%	600.60
	5		9.71%
		480.00	7.76%

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2018

	2020 1-6	2019	2018	2017
	214.96	565.03	464.47	401.16

	2020 1-6	2019	2018	2017
	9,394.45	24,321.34	15,950.13	8,774.61
	2.29%	2.32%	2.91%	4.57%

		2020 1-6	2019		
		23.10	70.00		
		26.40	78.00		
		23.10	70.00		

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2018 6 2017

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0.31%

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	1,144	865	773	659

2020 6 30

1,144

	50	8	0.70%
	40-50	37	3.23%
	30-40	325	28.41%
	30	774	67.66%
		470	41.08%
		370	32.34%
	/	180	15.73%

		10	0.87%
		33	2.88%
		238	20.80%
		426	37.24%
		437	38.20%

1

2020-6-30		1,055	1,058	1,058	1,054	1,055	1,035
		92.22%	92.48%	92.48%	92.13%	92.22%	90.47%
2019-12-31		840	843	844	839	840	834
		97.11%	97.46%	97.57%	96.99%	97.11%	96.42%
2018-12-31		724	728	728	724	725	719
		93.66%	94.18%	94.18%	93.66%	93.79%	93.01%
2017-12-31		523	526	526	523	524	523
		79.36%	79.82%	79.82%	79.36%	79.51%	79.36%

2020 6

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Know-How

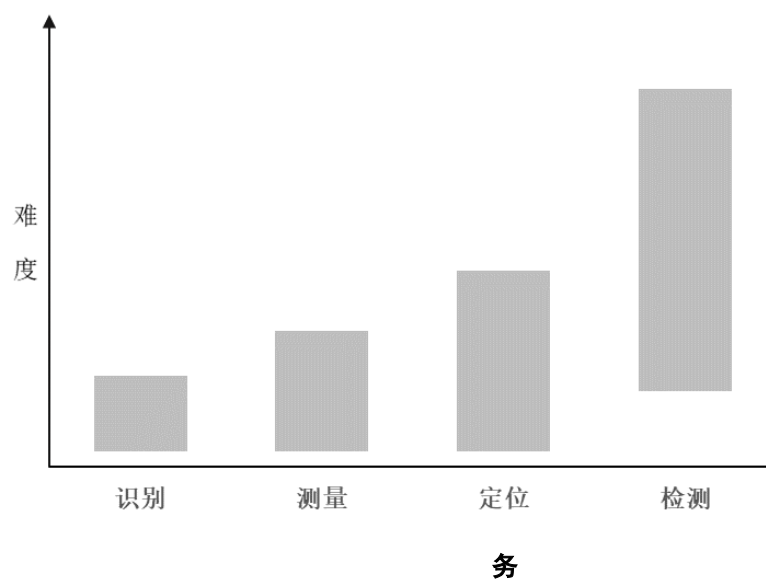
3C

OPPO CATL ATL

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AIA

Machine Vision



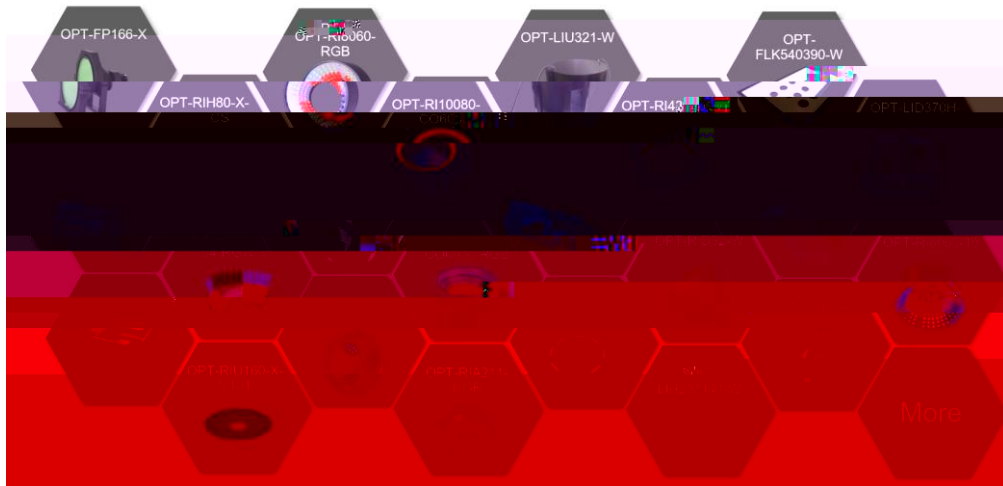
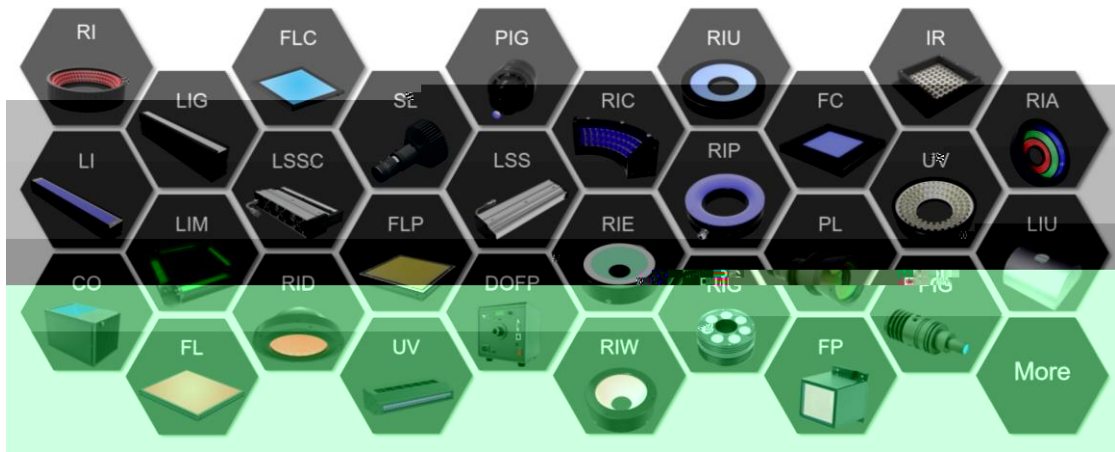


280nm 405nm

850nm 1500nm

38

1000



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PC



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200

500

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2900

Cobra

Coloretto Hawk Grampus

Coloretto系列线扫镜头



高清晰2900万像素定焦镜头

可兼容8K相机



高清晰1000万像素定焦镜头



高清晰500万像素定焦镜头



高清晰200万像素定焦镜头



高清晰500万像素3X变倍镜头



2019

PC

SciVision

SciSmart



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	2020 1-6		2019		2018		2017	
	9,252.11	38.50%	24,771.42	47.22%	19,096.76	45.24%	13,908.24	45.96%
	2,667.45	11.10%	5,432.89	10.36%	5,299.35	12.55%	3,613.93	11.94%
	5,097.15	21.21%	9,664.47	18.42%	7,067.95	16.74%	3,952.59	13.06%
	2,868.70	11.94%	4,656.42	8.88%	3,556.07	8.42%	2,052.07	6.78%
	2,228.45	9.27%	5,008.05	9.55%	3,511.89	8.32%	1,900.52	6.28%
	2,784.31	11.59%	5,049.30	9.63%	4,916.40	11.65%	4,023.32	13.30%

	2020	1-6	2019		2018		2017	
	65.33	0.27%	41.97	0.08%	-	-	-	-
	2,718.98	11.31%	5,007.33	9.55%	4,916.40	11.65%	4,023.32	13.30%
	2,465.96	10.26%	4,368.94	8.33%	3,828.23	9.07%	3,178.12	10.50%
	1,764.11	7.34%	3,167.79	6.04%	2,000.82	4.74%	1,582.29	5.23%
	24,031.09	100.00%	52,454.81	100.00%	42,209.52	100.00%	30,258.49	100.00%

	2020	1-6	2019		2018		2017	
3C	16,796.89	69.90%	37,096.83	70.72%	33,272.23	78.83%	22,471.29	74.26%
	4,335.68	18.04%	8,771.65	16.72%	4,272.78	10.12%	4,465.15	14.76%
	1,083.96	4.51%	2,464.86	4.70%	1,378.17	3.27%	1,202.30	3.97%
	630.35	2.62%	900.31	1.72%	591.68	1.40%	96.55	0.32%
	249.96	1.04%	681.28	1.30%	569.72	1.35%	406.85	1.34%
	242.45	1.01%	509.67	0.97%	471.38	1.12%	240.25	0.79%
	55.22	0.23%	120.16	0.23%	415.55	0.98%	136.21	0.45%
	28.42	0.12%	40.03	0.08%	1.47	0.00%	0.26	0.00%
	21.27	0.09%	68.91	0.13%	54.22	0.13%	46.92	0.16%
	586.90	2.44%	1,801.11	3.43%	1,182.32	2.80%	1,192.70	3.94%
	24,031.09	100.00%	52,454.81	100.00%	42,209.52	100.00%	30,258.49	100.00%

90%

3C

3C

OPPO

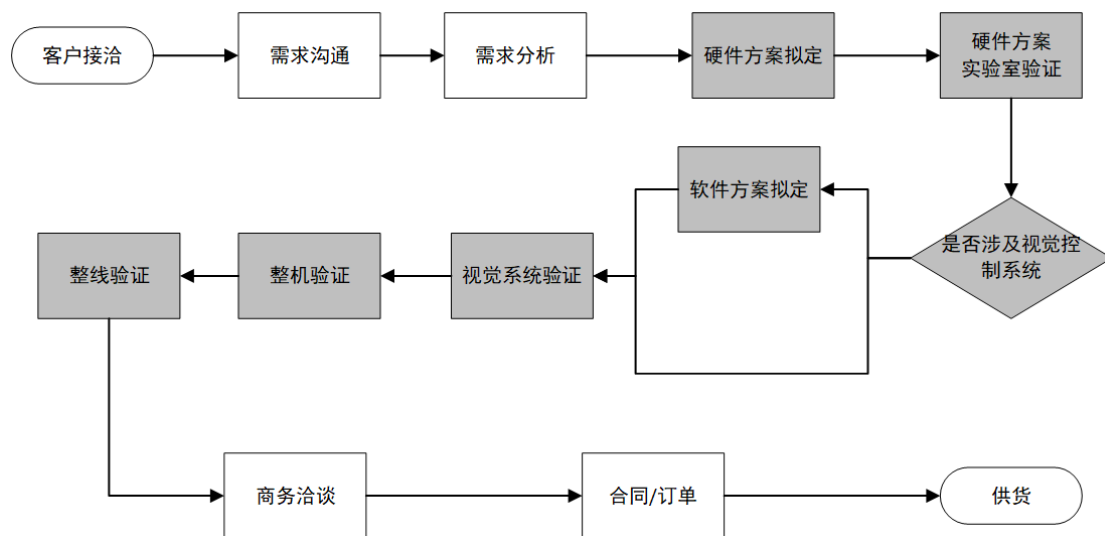
CATL ATL

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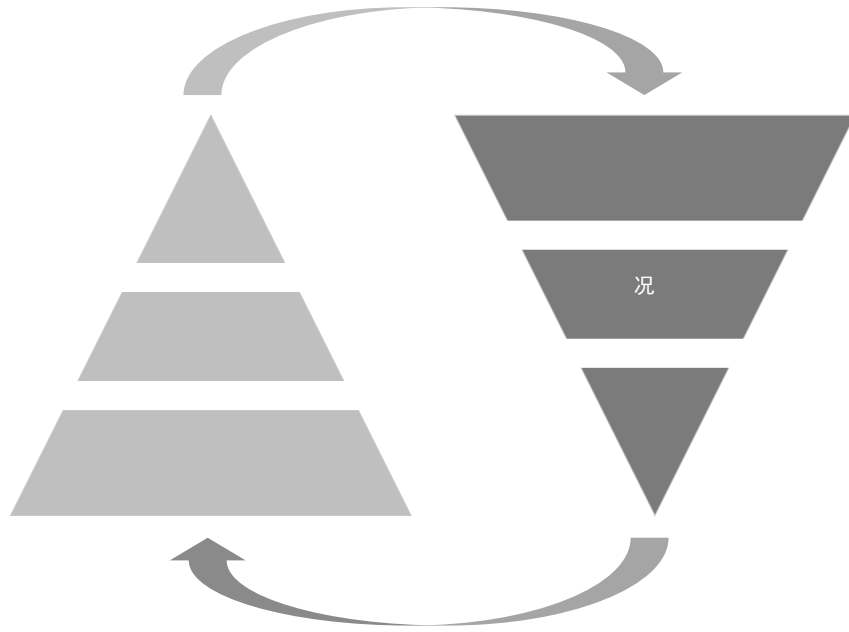
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7			
8		CPK GR&R	
9			



3D

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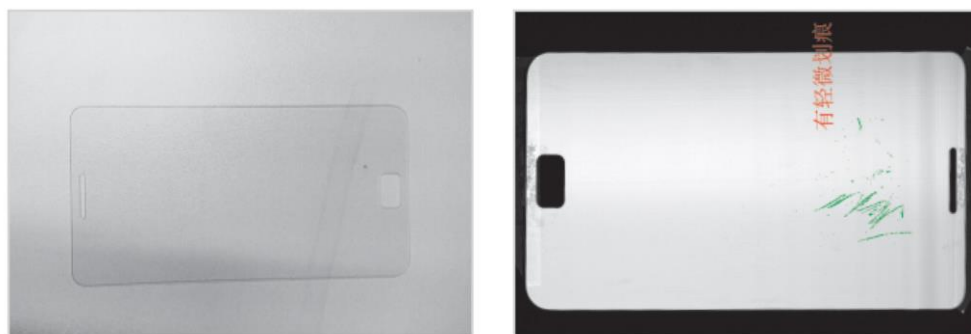
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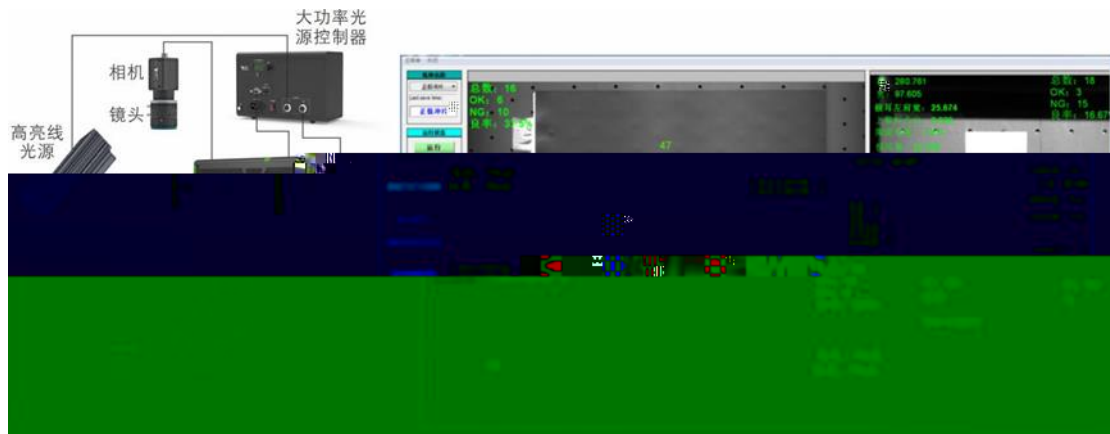
/ /



8K

SCI

SCI



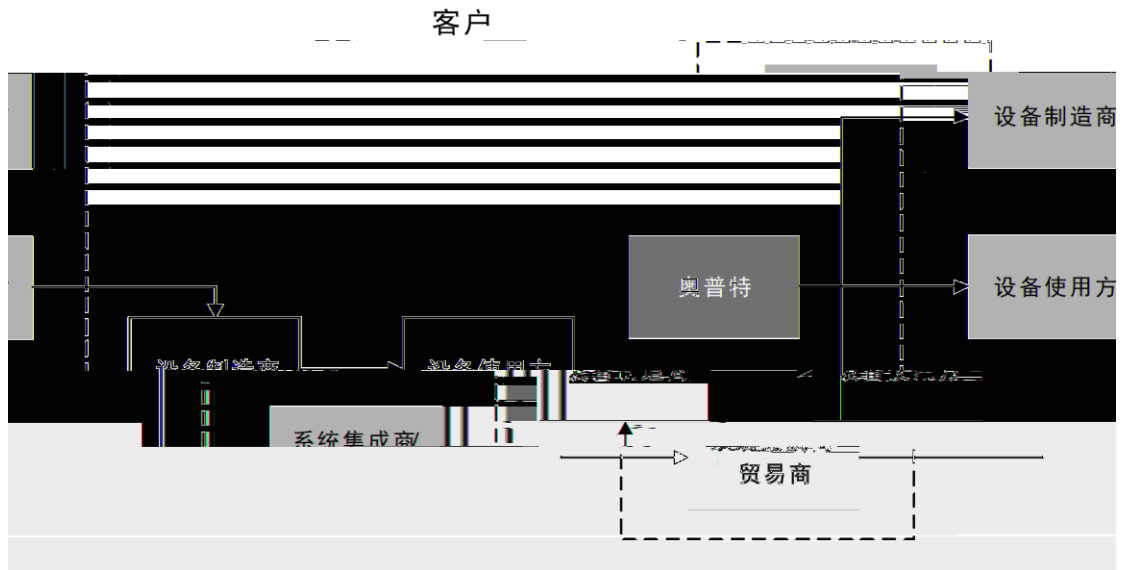
120 /

15

3C

	2020 1-6		2019		2018		2017	
	22,447.11	93.41%	49,251.49	93.89%	39,238.24	92.96%	27,936.33	92.33%
	15,461.22	64.34%	35,756.85	68.17%	28,868.01	68.39%	20,812.32	68.78%
	4,504.43	18.74%	13,013.11	24.81%	11,567.35	27.40%	7,769.78	25.68%
	8,474.61	35.27%	19,528.16	37.23%	13,359.73	31.65%	9,190.69	30.37%
	2,482.18	10.33%	3,215.58	6.13%	3,940.93	9.34%	3,851.85	12.73%
	6,985.89	29.07%	13,494.63	25.73%	10,370.23	24.57%	7,124.00	23.54%
	1,583.98	6.59%	3,203.32	6.11%	2,971.28	7.04%	2,322.16	7.67%
	24,031.09	100.00%	52,454.81	100.00%	42,209.52	100.00%	30,258.49	100.00%

68.78% 68.39% 68.17% 64.34%



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3C

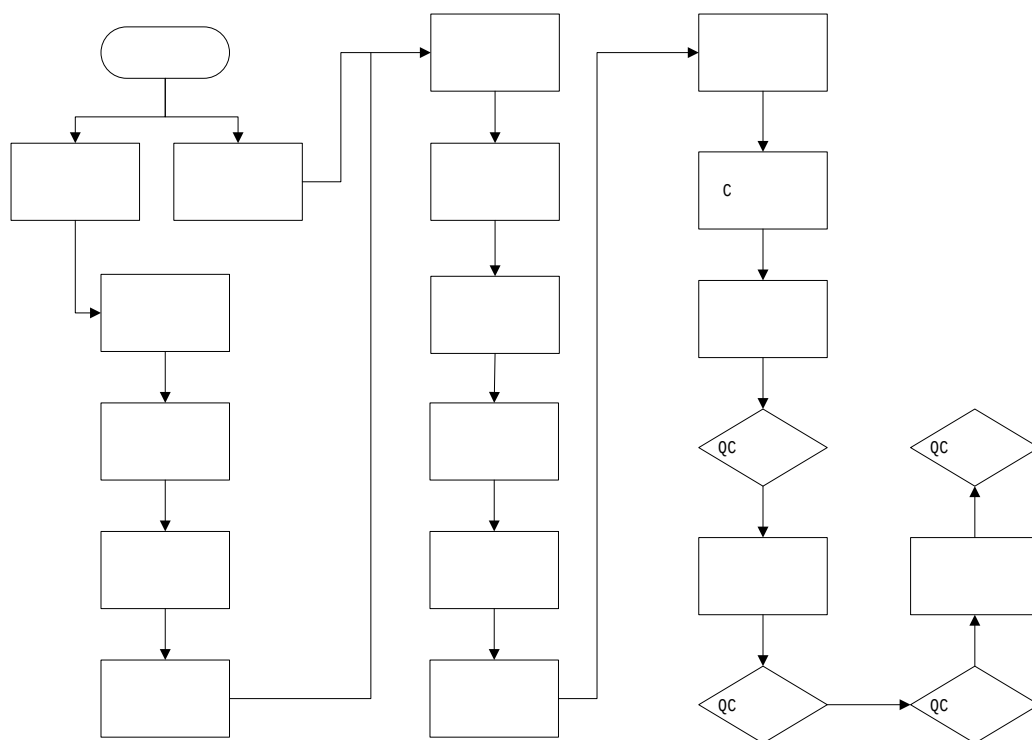
	光源	光源控制器	镜头	视觉控制器	SciSmart SciVision	相机
2020年	推出RGB三色线 光和准直线光*	推出迷你大功率 数字恒流型系列 控制器*	推出1.1"系列 定焦镜头*	推出 第二代Q2系列 视觉控制器*	推出 SciSmart 3.0	万兆网线阵 工业相机*
2019年		推出第一代 DPA6024E系列 产品		推出 第一代EVC系列 视觉控制器	推出 SciVision 3.0	首次推出相机 产品
2018年	产品线升级整合 至986大系列	推出第二代 DPA2024E系列 产品	推出第一代 线扫镜头	推出 第一代Q1系列 视觉控制器		布局相机产品 的研发
2017年		推出第二代 DPH20048E系列 产品			推出 SciVision 2.0	
2016年	产品线扩展至 45大系列					
2015年		推出第一代 DPH2004系列 产品	推出第一代 定焦镜头	推出 第一代Q系列 视觉控制器	推出 SciVision 1.0	
2014年		推出第一代 DPA1024系列 产品	布局镜头的 研发与生产			
2013年						
2012年		推出第一代 DPA6024系列 产品			推出 SciSmart 2.0	
2011年	产品线扩展至 20大系列					
2010年						
2009年					首次推出 SciSmart 1.0	
2008年		首次推出具备自动 检测负载技术的 光源控制器				
2007年						
2006年	推出第一代 光源产品	推出第一代 光源控制器产品				

*

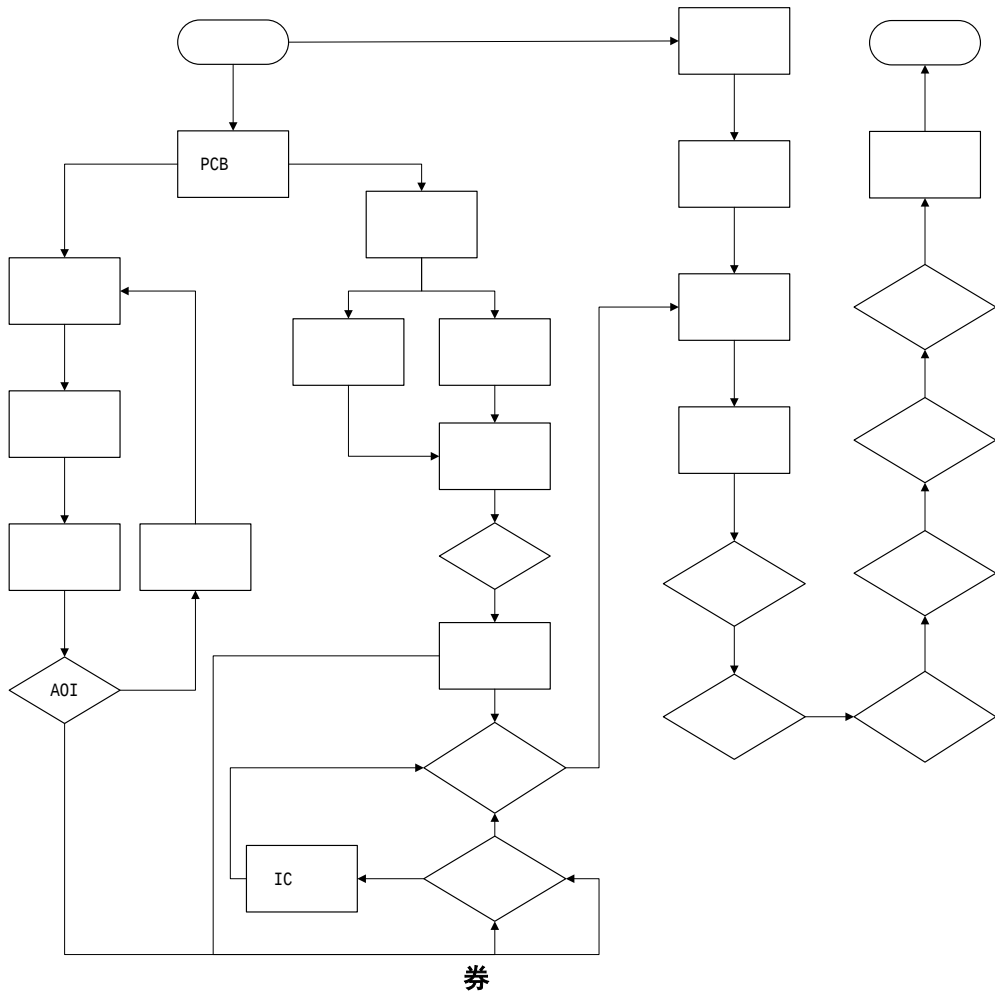
2020

2006

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3

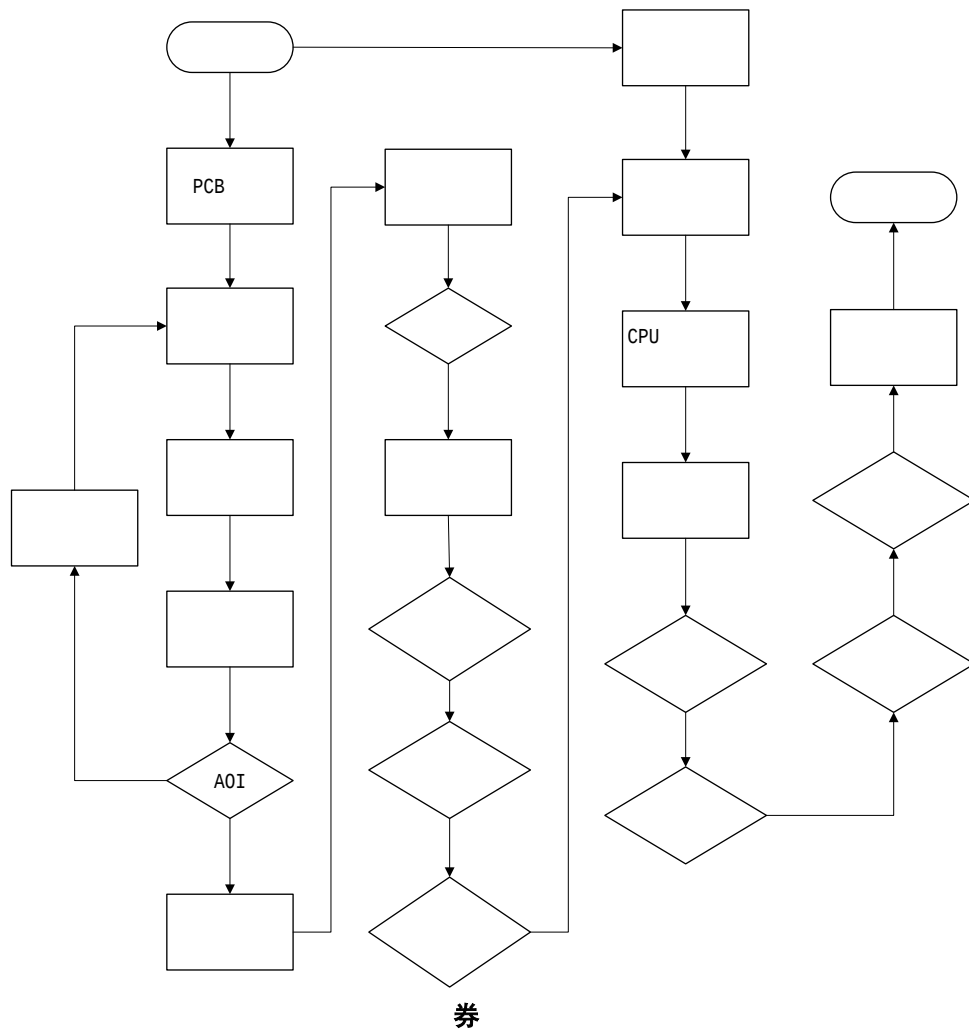


SMT

AOI

72

4



券

SMT

QC

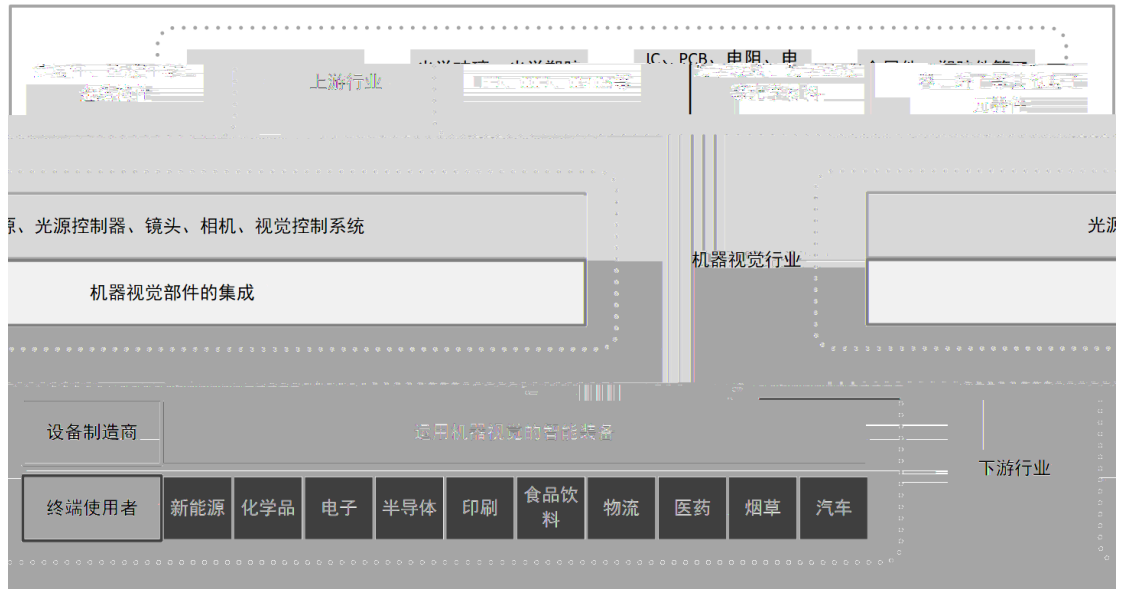
AOI

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2020 1

14 “ ”
于 东

2012 GB/T4754-2017
“ C40 ” “ C401 ” “ C4011
” “
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2018 “ ”
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LED CCD CMOS

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2018 1			“ ”
2017 5	“ ”		“ ”
2016 12	2016- 2020		MEMS DCS SCADA PLC
2016 8			2025
2016 7	“ ”		
2016 4	2016- 2020		

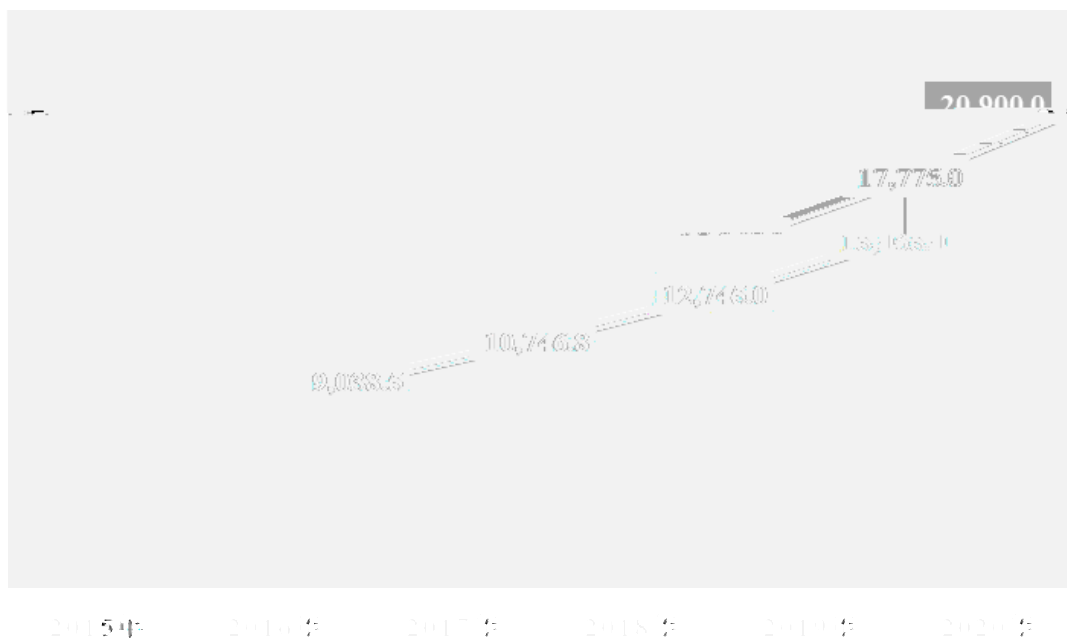
2016 3			“ + ”
2015 5	2025		 /
2013 2			2013 -2025 “ ” “ ” 50%

1

“ ” “ ”

2018 1.5

2020 2 “ ”



券 充

2019

2

20 50

70

AI

“ ” 70 80 CCD CPU

DSP

2013 2019

15.37%

2013 2019

3

20 90

21

10

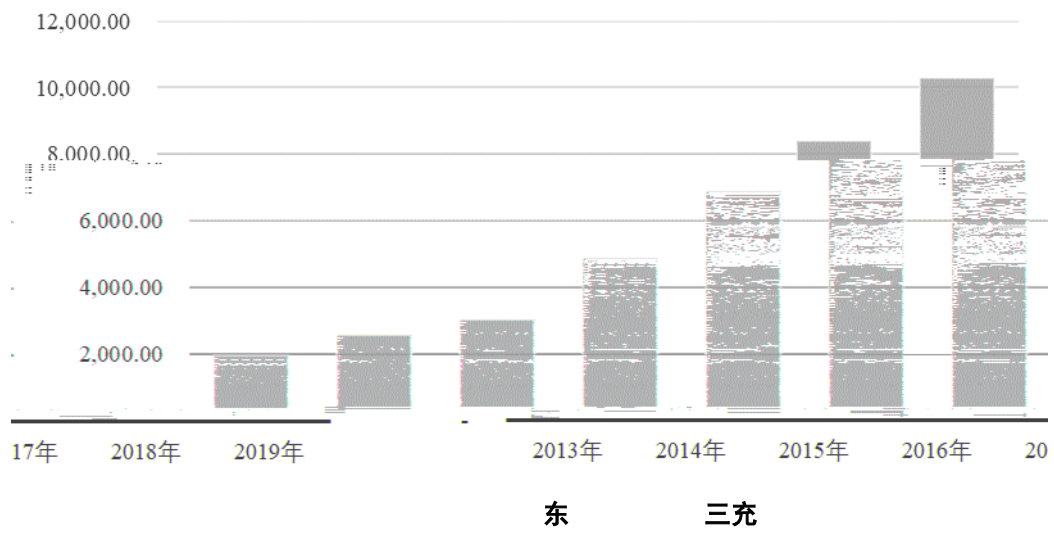
3C

2019

103 2013 3

31.69%

中国机器视觉行业销售额（百万元）



30

2018

32.4%

Vision Pro

OpenCV

Halcon

2019

103

2019

1.15

8

4



FPGA

ASIC

AI

2017 2019

——ViDi Systems SUALAB

2D

x y

2D

3D

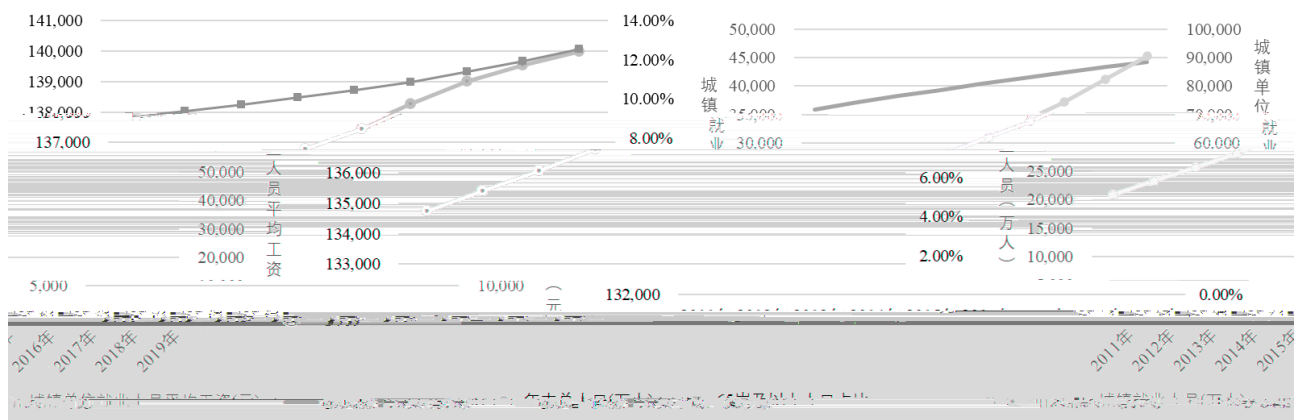
2D

x y z

5

	0.1	10 1000
	64	256

3D

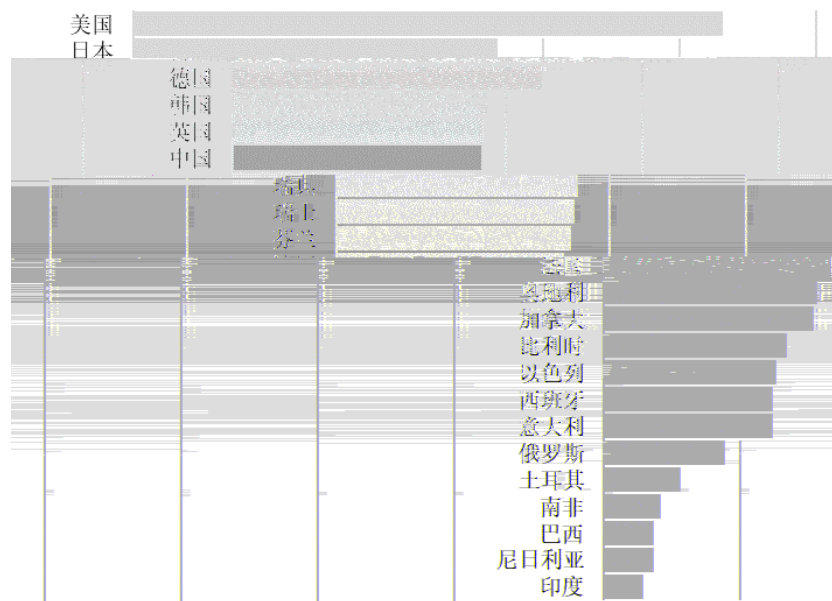


东 典

	2011	41,799	2019	90,501
	—			
	China Employer-Employee			
Survey	CEES	“	”	

6

40% 5% 90% 1% +



券

4.0

		TYO: 6861
		1974
		NASDAQ: CGNX
		1981
CCS		CCS 1993 LED
		/ LED OPTEX GROUP CO., LTD. TYO: 6914
		2016 002415
		1987 600288
		IT
		1973
		CCTV LED
		LED
Stemmer Imaging AG		

东 事

2006

3C

OPPO CATL ATL

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2014

2D

3D

2020 6 30

16

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2020 6 30

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2020 6 30

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2019

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3C

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OPPO

CATL ATL

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7-10

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CCS

2019 6 30 2019 12 31 4
2020 2019 3 21 2020 3 20

2

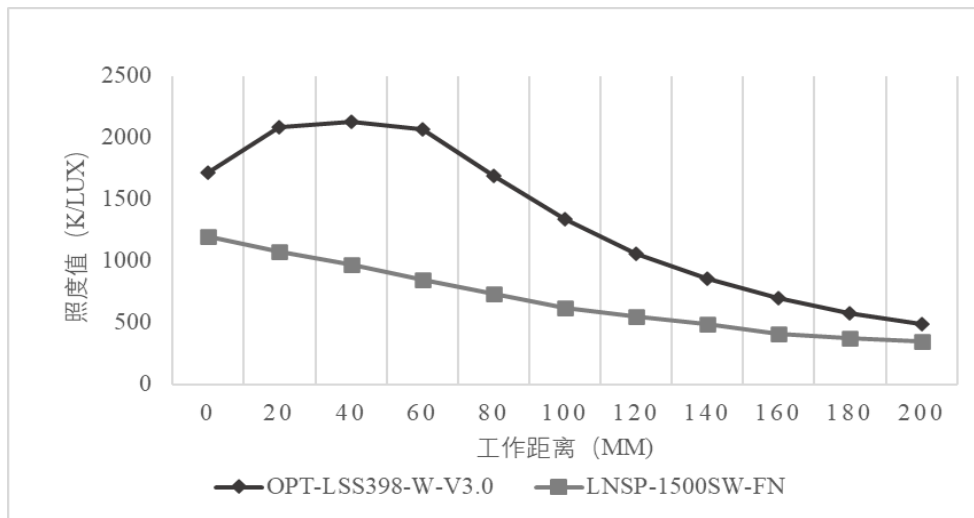
	1974 2011 —2018 100 2001 46 25
	1981 NASDAQ CGNX
	002415 2016 2014 —
	1987 600288
CCS	1993 2016 OPTEX MVL Machine Vision Lighting
	1973 CCTV LED LED
Stemmer Imaging AG	

1 2019 2020 2019 3 21 2020 3 20 2019

2

A

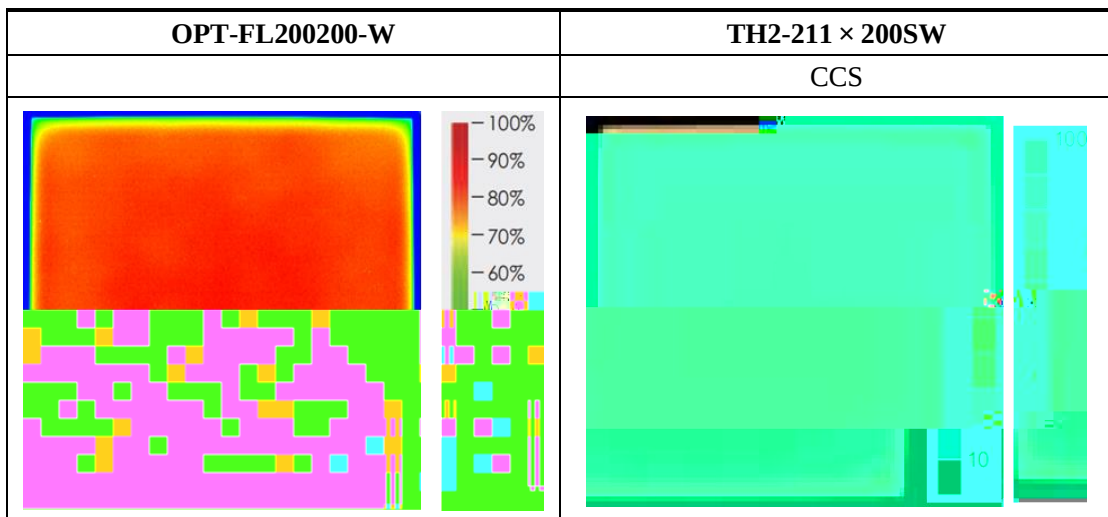
CCS



CCS

B

CCS



CCS

DPA2024E-4

CCS

	PD3-5024-4-PI(A)	DPA2024E-4
	CCS	
	PWM	
		± 2%
	1.91A MAX	2A MAX
	≤ 20 μs	≤ 15 μs
	/	20KHz

PD3-5024-4-PI(A)

CCS

500

16mm

F2.8

=300mm

“

”

“

”

A

2D

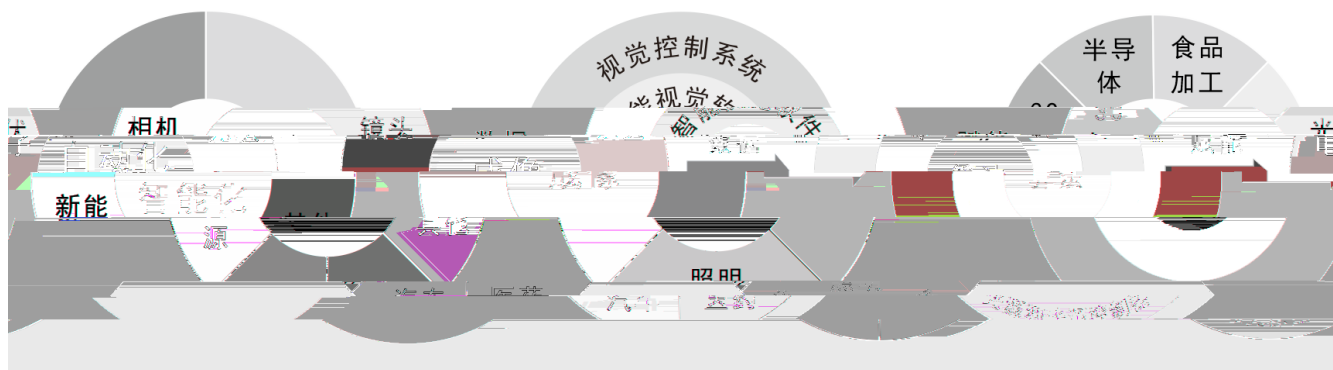
3D

3D

B

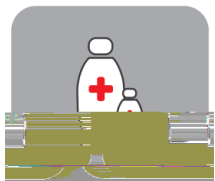
4

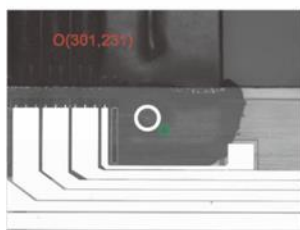
3C



Know-How

	3C	AA (Active Area)
		LOGO
		LED
		PCB DIE
		LED
		IC



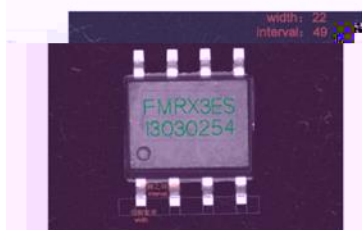
①触摸屏点定位



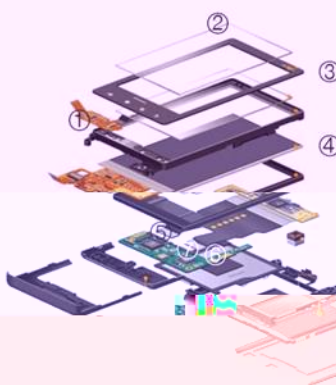
②手机屏幕划伤检测



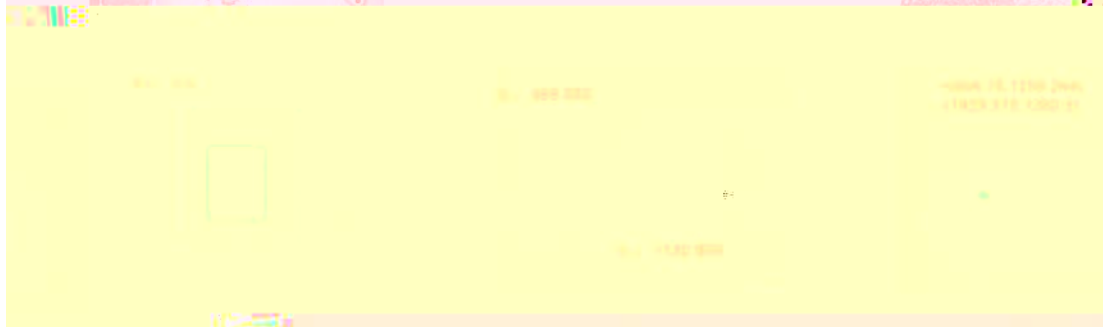
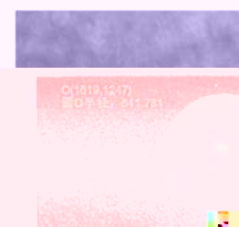
③手机屏贴合定位

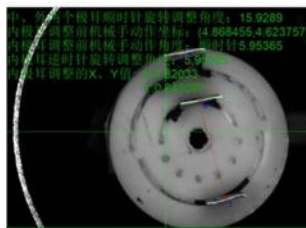


⑤IC元件PIN及字符检测



④液晶屏AA区定位





⑧电芯极性正反判断

⑨电池极耳尺寸测量

⑩圆柱电池滚槽后垫片尺寸测

券

1

		2020	1-6	2019	2018	2017
			30,837	43,910	70,380	82,656
			38,116	59,020	64,740	68,120
			80.90%	74.40%	108.71%	121.34%
			25,788	27,361	46,641	55,300
			29,692	37,700	48,100	51,740
			86.85%	72.58%	96.97%	106.88%
			20,220	33,075	59,662	39,890
			27,092	46,540	74,620	62,660
			74.63%	71.07%	79.95%	63.66%

$$1 \times \times 3 = 2 \times = \Sigma$$

2

		2020	1-6	2019	2018	2017
			59,808	73,694	133,446	160,163
			51,145	100,597	93,180	74,042
			21,159	24,071	43,175	51,120
			17,861	31,803	33,397	27,246
			31,509	49,017	94,488	65,736
			37,109	60,413	52,186	29,419
			213	1,326	560	446
			242	889	457	390

1

	2020		1-6		2019		2018		2017	
	9,252.11	38.50%	24,771.42	47.22%	19,096.76	45.24%	13,908.24	45.96%		

	2020 1-6		2019		2018		2017	
	2,667.45	11.10%	5,432.89	10.36%	5,299.35	12.55%	3,613.93	11.94%
	5,097.15	21.21%	9,664.47	18.42%	7,067.95	16.74%	3,952.59	13.06%
	2,784.31	11.59%	5,049.30	9.63%	4,916.40	11.65%	4,023.32	13.30%
	2,465.96	10.26%	4,368.94	8.33%	3,828.23	9.07%	3,178.12	10.50%
	1,764.11	7.34%	3,167.79	6.04%	2,000.82	4.74%	1,582.29	5.23%
	24,031.09	100.00%	52,454.81	100.00%	42,209.52	100.00%	30,258.49	100.00%

2

	2020 1-6		2019		2018		2017	
	22,384.81	93.15%	36,484.11	69.55%	28,475.21	67.46%	22,463.87	74.24%
	1,646.28	6.85%	15,970.70	30.45%	13,734.31	32.54%	7,794.62	25.76%
	24,031.09	100.00%	52,454.81	100.00%	42,209.52	100.00%	30,258.49	100.00%

2020 1-6	1	4			1,703.99	7.09%
	2	10			1,478.37	6.15%
	3	6			1,450.86	6.04%
	4	11			1,026.36	4.27%
	5				917.91	3.82%
					6,577.50	27.37%
2019	1	2			13,637.31	26.00%

	2	3			4,642.09	8.85%
	3	4			2,595.96	4.95%
	4	5			1,896.30	3.62%
	5	6			1,258.52	2.40%
2018	1	2			11,498.74	27.24%
	2	4			3,389.29	8.03%
	3	6			1,969.21	4.67%
	4	7			1,049.20	2.49%
	5	8			974.94	2.31%
					18,881.38	44.73%
2017	1	2			5,236.76	17.31%
	2	4			3,040.74	10.05%
	3	6			1,055.01	3.49%

	4	8			1,007.53	3.33%
	5	9			708.57	2.34%
	合计				11,048.60	36.51%

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ATL CATL

CATL ATL
Cognex Ireland Ltd. Cognex Germany Aachen GmbH

JOT

CATL ATL

CATL NVT

ATL

CATL

50%

5%

1

/

2

2020	113.88	2020
1-7	1.87	

2019	7,025.15
2020 1-7	1.87

2015	2016
------	------

iPod

1

LED

PCB(A)

2020 1-6

2019

2018

2

	2020 1-6	2019	2018	2017
	53.36	123.63	114.02	95.44
	73.32	160.31	146.00	118.70
/	0.73	0.77	0.78	0.80

2020 1-6	1	3		740.18	10.04%
	2	2		722.55	9.80%
	3			687.13	9.32%
	4	7	LED	386.77	5.25%
	5			353.75	4.80%
				2,890.39	39.22%
2019	1	2		1,343.12	11.95%
	2			1,013.21	9.01%
	3	3		821.41	7.31%
	4	4		625.09	5.56%
	5	5		528.36	4.70%
				4,331.19	38.53%
2018	1	6		1,839.99	13.11%
	2	3		1,166.61	8.31%
	3	4		1,126.36	8.02%
	4	7	LED	883.60	6.29%
	5			728.93	5.19%
				5,745.48	40.92%
2017	1	6		1,403.52	10.70%
	2	4		1,237.91	9.44%
	3	3		1,145.01	8.73%
	4	7	LED	762.41	5.81%

	5			544.52	4.15%
				5,093.37	38.83%

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Basler AG
Basler
Luster Light tech
FLIR Teledyne DALSA
Third Polar Regions TPR Vision Basler
2018
2019
LED
LED
50%

5%

东

1

2020 6 30

	1,314.79	407.59	907.20	69.00%
	419.12	271.87	147.26	35.14%
	507.83	350.99	156.84	30.88%
	2,241.75	1,030.44	1,211.30	54.03%

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2

2020 6 30

1		4	210.69	186.60	88.57%
2		5	180.17	131.42	72.94%
3		3	128.46	83.58	65.06%
4		1	125.21	95.48	76.25%

5		2	89.74	67.05	74.71%
6		2	55.45	29.91	53.93%
7		2	54.70	15.73	28.75%
8		1	27.59	23.87	86.54%
9		2	27.35	4.83	17.67%
10		1	27.32	22.99	84.17%
11		1	25.64	6.97	27.17%
12		2	25.64	13.36	52.10%
13		1	24.79	18.11	73.08%
14		1	17.09	12.76	74.67%
15		1	14.31	11.70	81.79%
16		1	12.82	10.08	78.62%
17		1	11.11	8.47	76.25%
18		1	10.91	8.67	79.42%
19		1	10.77	5.57	51.71%
20		1	10.77	2.24	20.83%
21		1	10.26	5.87	57.25%
		35	1,100.80	765.27	69.52%

3

1

1		2019 6061100	20,000.10		2019.12.25- 2069.10.9		
2		2018 0014576	14,749.10		2005.8.27- 2055.8.27		
3		2018 0014578	16,948.00		2005.8.28- 2055.8.28		
4		2020 0176229	15,097.16	66	2070.6.16		

2005

2018

2005 8 29

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[2005]432

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2019 7 26

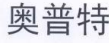
2020 2 28

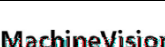
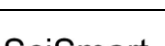
2019 7 1

2

2020 6 30

41

1		OPT machine vision		11	5987846	2020.1.7-2030.1.6
2		OPT		11	10311992	2013.2.21-2023.2.20
3				11	12772466	2015.3.21-2025.3.20
4		OPT		9	15328022	2016.1.21-2026.1.20
5		OverDrive	OverDrive	9	21845294	2018.2.7-2028.2.6
6		SmartVSION	SmartVSION	42	22140023	2018.1.21-2028.1.20
7		SCIMV	SCIMV	42	17770163	2016.10.14-2026.10.13
8		SCIMV	SCIMV	9	17770275	2016.10.14-2026.10.13
9		SciVision		42	12677898	2014.10.21-2024.10.20
10		SCI	SCI	42	12677905	2015.12.14-2025.12.13
11		OPTMACHINEVISION	OPTMACHINEVISION	35	37563371	2019.12.28-2029.12.27
12		AUTOSENSE	AutoSense	40	37561831	2019.12.21-2029.12.20

34		SCISMART		37	37558651	2020.1.14-2030.1.13
35		OPT MACHINE VISION		9	37549838A	2020.2.21-2030.2.20
36		AUTOSENSE		7	37554285A	2020.2.21-2030.2.20
37		OPT MACHINE VISION		40	37556386A	2020.2.21-2030.2.20
38		SCISMART		9	37558629A	2020.2.21-2030.2.20
39				7	37558809A	2020.5.14-2030.5.13
40		MACHINEVISION		9	35599774	2020.6.28-2030.6.27
41		SCISMART		42	24802714	2018.12.21-2028.12.20

2019 2 21

12772466

11 “

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2019 9 16

12772466 11 “ ”

[2019] Y026041

2020 10 16

2019 3 29

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2020 1 19

[2020]

0000019526

12772466 “ ”

12772466

“ ”

2020 7 29

2020

73 4750

12772466 “ ”

5.42

21.02

12.47

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0.02% 0.05% 0.02% 0.00%

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2020 6 30

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1			ZL201110331624.8		2011.10.27	
2			ZL201110331625.2		2011.10.27	
3			ZL201110331626.7		2011.10.27	

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18

ZL201020587397.6

2010.11.2

38			ZL201621417572.0		2016.12.22	
39			ZL201621418022.0	AOI	2016.12.22	
40			ZL201720001040.7		2017.1.3	
41			ZL201720074348.4			

58			ZL201821073055.5		2018.7.6	

59

ZL201821084087.5

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78			ZL201821695640.9		2018.10.19	

79

ZL201821695650.2

98			ZL201920768791.0		2019.5.27	
99			ZL201920787314.9		2019.5.29	
100			ZL201920796626.6	PCI PCIe	2019.5.29	
101			ZL201920797767.X		2019.5.29	
102			ZL201920813448.3		2019.5.31	
103			ZL201920838711.4		2019.6.5	
104			ZL201920853726.8		2019.6.6	
105			ZL201920918860.1		2019.6.19	
106			ZL201920918884.7		2019.6.19	
107			ZL201920918885.1		2019.6.19	
108			ZL201920360944.8		2019.3.20	
109			ZL201920685213.0		2019.5.14	
110			ZL201920722788.5		2019.5.20	
111			ZL201920723720.9		2019.5.20	

118			ZL201921132635.1		2019.7.18	
119			ZL201921132640.2		2019.7.18	
120			ZL201921213923.X		2019.7.30	
121			ZL201921311437.1		2019.8.14	
122			ZL201921311493.5		2019.8.14	
123			ZL201921426585.8		2019.8.30	
124			ZL201921461948.1		2019.9.4	
125			ZL201921472325.4		2019.9.5	
126			ZL201921548954.0		2019.9.18	
			ZL201921721353.5		2019.10.15	
128			ZL201920722777.7		2019.5.20	
129			ZL201920577462.8		2019.4.25	
130			ZL201920518491.7		2019.4.17	
131			ZL201920495531.0		2019.4.12	
132			ZL201920495545.2		2019.4.12	
133			ZL201920496343.X		2019.4.12	
134			ZL201920496345.9		2019.4.12	

138			ZL201830310455.2		2018.6.15	
139			ZL201830332481.5	X3	2018.6.26	
140			ZL201830371604.6	EVC	2018.7.11	
141			ZL201930003402.0	MC- 1	2019.1.4	
142			ZL201930031329.8	16K	2019.1.21	
143			ZL201930031333.4	100mm-2MP	2019.1.21	
144			ZL201930031347.6	8mm-10MP	2019.1.21	
145			ZL201930031751.3	Q3	2019.1.21	
146			ZL201930031752.8	29MP	2019.1.21	
147			ZL201930031776.3	CZT0510X	2019.1.21	
148			ZL201930144474.7	M3	2019.4.2	
149			ZL201930144475.1	MC-1	2019.4.2	
150			ZL201930144486.X	8K	2019.4.2	

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8		V1.0	2012SR099349	2012.10.22
9		V1.0	2012SR099352	2012.10.22
10		V1.0	2012SR099354	2012.10.22
11		V1.0	2012SR099358	2012.10.22
12		V1.0	2012SR099362	2012.10.22
13		(SciVision)V1.0	2014SR104704	2014.7.24
14	SCI	V1.0	2014SR108132	2014.7.29
15		V3.0	2014SR192071	2014.12.10
16		V1.0	2019SR0033704	2019.1.10
17		V1.0	2019SR0033711	2019.1.10
18		V1.0	2019SR0034030	2019.1.10
19		V1.0	2019SR0034036	2019.1.10
20		V3.0	2019SR0034935	2019.1.10
21		V1.0	2019SR0034943	2019.1.10
22		V3.0	2019SR0049554	2019.1.15
23		V3.3	2019SR0441295	2019.5.8
24		V1.0.14	2019SR0443906	2019.5.9
25	SCI	V1.0	2019SR0797012	2019.7.31
26		V1.0	2019SR0904773	2019.8.30
27		V1.0	2019SR0909972	2019.9.2
28	3D	V1.0	2019SR0909966	2019.9.2
29	SciSmart	V2.5.1903.0	2019SR1085366	2019.10.25
30		V1.0.0	2019SR1085194	2019.10.25
31	2D	V1.0.0.1	2019SR1172414	2019.11.19
32	GeniCam	V1.0.0.1	2019SR1169657	2019.11.19
33		V1.0.0.1	2019SR1169665	2019.11.19
34		V1.0.0.1	2019SR1174683	2019.11.20
35	3D	V1.0.0.1	2019SR1175159	2019.11.20
36		V3.0.2003.0	2020SR0514898	2020.5.26
37		V3.1	2020SR0523922	2020.5.27
38		V1.0	2020SR0523542	2020.5.27
39		V1.0	2015SR161164	2015.8.20
40		V2.0	2015SR169354	2015.8.31
41		V2.0	2015SR169356	2015.8.31
42	3D	V1.0	2016SR049525	2016.3.10
43		V1.0	2016SR123418	2016.5.30
44	3D	V1.0.0	2016SR123420	2016.5.30
45		V1.0	2016SR123601	2016.5.30
46		V1.0	2019SR0673572	2019.7.1
47		V1.0	2019SR0673907	2019.7.1

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2020 6 30

7

1		optmv.com	2006.7.29	2025.7.29
2		optmv.cn	2018.8.9	2024.8.9
3		optmv.net	2012.2.9	2022.2.9
4		optmv.net.cn		

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1			2020.6.13- 2022.6.12	126.33		226 12
2		FIRST MAGANSON HOLDINGS, INC.	2017.10.1- 2023.9.30	1,097		20195 Stevens Creek Blvd, Suite 230, Cupertino, California, USA
3		WONG WENG SOON	2019.1.1- 2020.12.31	723		110-02-06, Persiaran Bayan Indah, 11900 Bayan Lepas, Penang, Malaysia
4		CCS Inc.	2019.8.1- 2021.7.31	57		374 Okakuencho, Shimodachiuri-agaru, Karasuma-dori, Kamigyo-ku, Kyoto-city, Kyoto 602-8011 Japan
5		Mindspace Germany GmbH	2019.4.1-	76		Friedrichstraße 68, 10117 Berlin
6		BTB Betriebswirtschaftlich e-und-technische Beratungsgesellschaft mbH & Co. Verwaltungs KG	2019.7.1- 2024.6.30	190		Wilhelm-Haas-Str. 6, 70771 Leinfelden-Echterdingen
7		Altenaken NV	2019.1.1- 2024.5.31	281 4		Bleyveldstraat 17, 3320 Hoegaarden, Belgium

2

1			GR20184 4000942		2018.11.28	3

2	GB/T19001-2016/ISO9001:2015		131915		2019.7.15	2021.7.10
3	GB/T24001-2016 idt ISO14001:2015		152389		2019.7.15	2021.12.26
4	GB/T29490-2013		404IPL18 0399ROM		2018.12.28	2021.12.27
5			44199639 EC		2016.10.24	-
6			02489730		2016.10.24	-

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1			-		2019.12.11	-
2			-		2020	-
3	2019		-		2019.11	-
4	2019		-		2019.9	-
5	OPT SCI-M3		-		2019	-
6	SCI-X3		-		2018	-
7					2018.9	-
8	SciVision		-		2017	-

Know-How

1

			CN201811167331.9 CN201910373350.5
			CN201610852506.4 CN201610944893.4 CN201810700558.9 ZL201821017547.2

				CN201710415155.5
				CN201810946524.8
				ZL201110331624.8

CN

LED

LED

LED

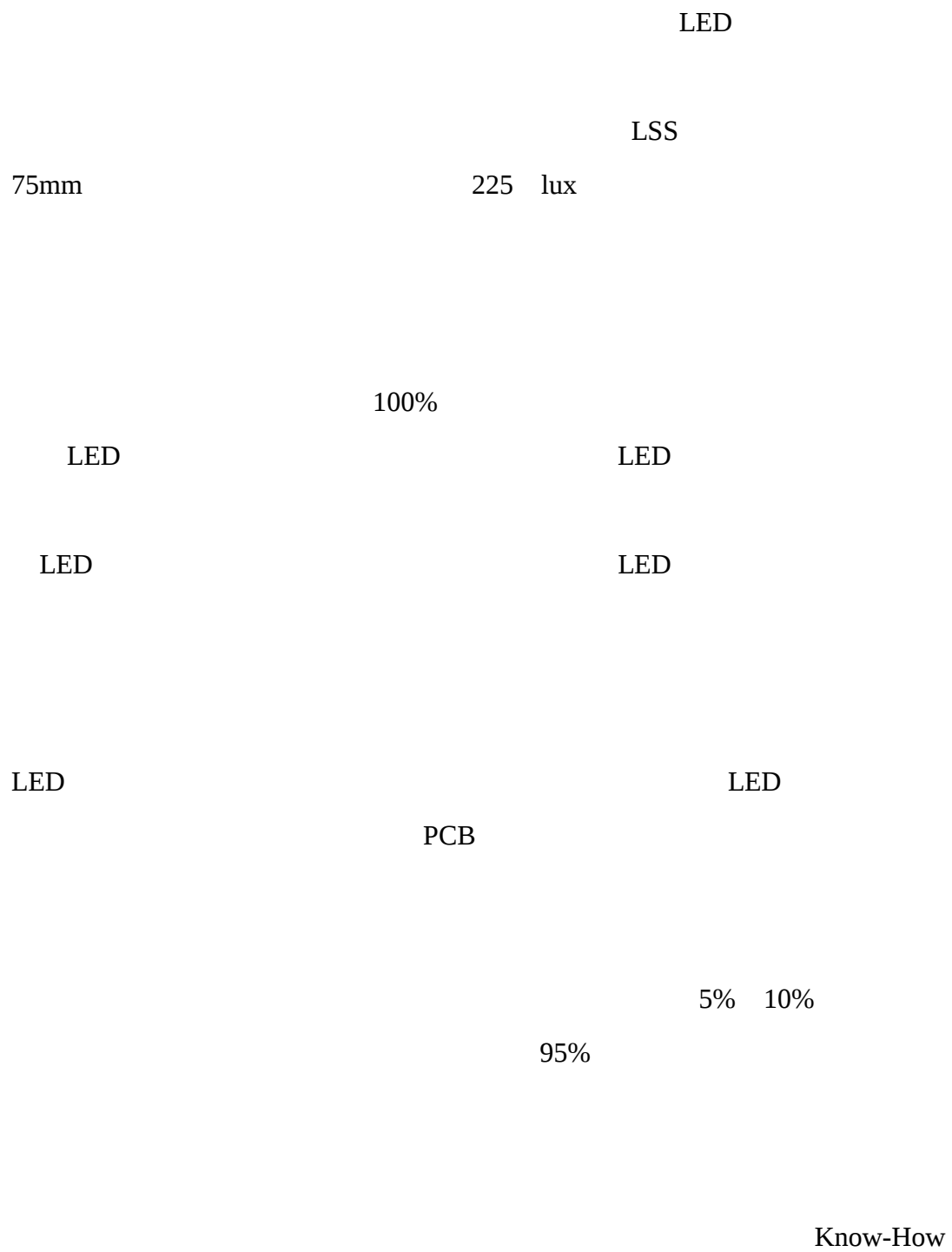
→ → →PCB→ →

LED

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$\leq 1^\circ$

2

			ZL201120416337.2 ZL201110331626.7
			ZL201710495075.5 ZL201821064391.3
	Overdrive		ZL201821404567.5 ZL201821064330.7

			ZL201120416337.2 ZL201110331626.7 JP3192402
			ZL201720861757.9 ZL201710438669.2 ZL201920685213.0
	OPT		ZL201410760523.6 2019SR0441295 2019SR0443906
	OPT_EPC		

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Overdrive

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1%

100A

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Overdrive

48V

20A

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1%

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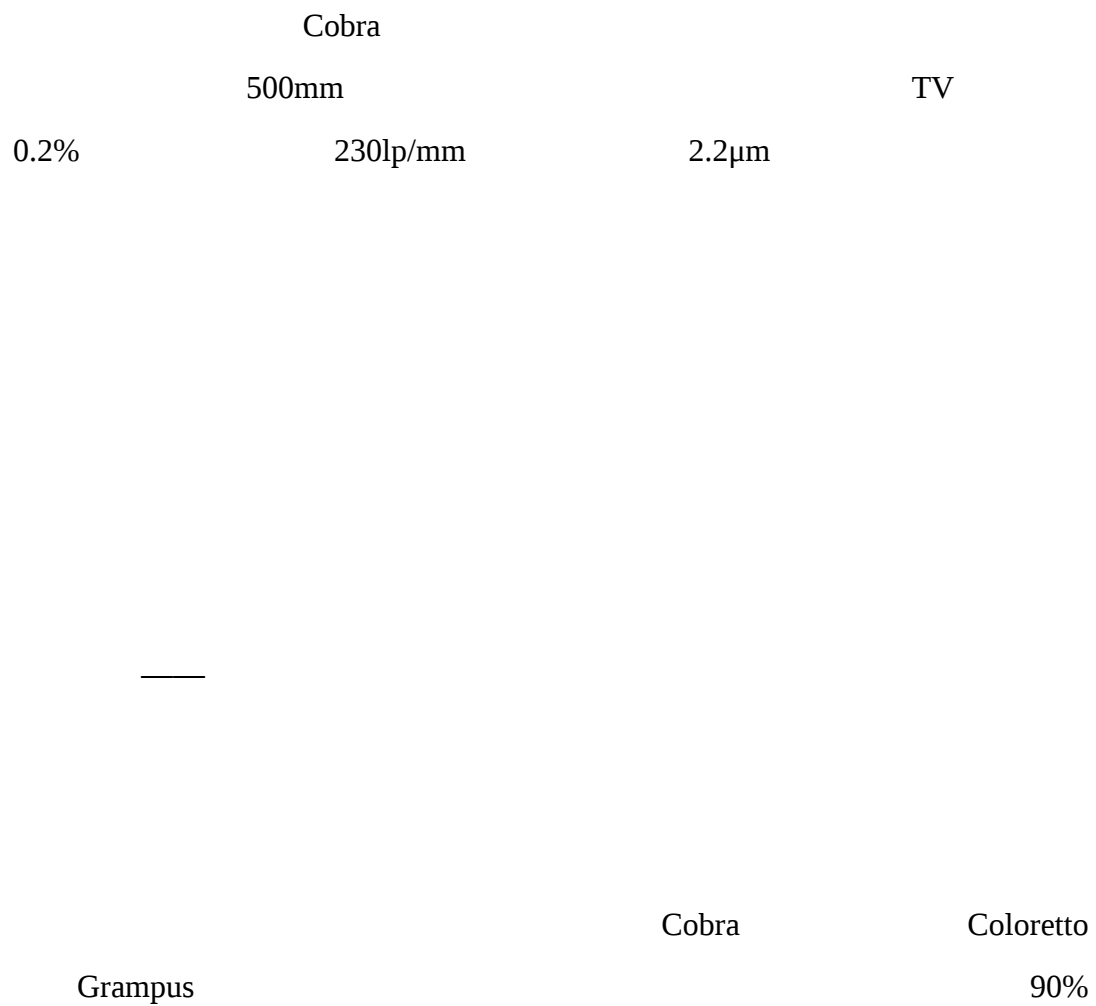
9600bps 1ms 100M 12ms
50μs

OPT OPT_EPC
OPT
HEX

OPT_EPC
OPT_EPC Expandable Parallel Communication) FPGA

3

		ZL201410711286.4 ZL201410711287.9 ZL201420737461.2 ZL201510544776.4 ZL201510544242.1 ZL201610603861.8 ZL201620803450 ZL201820018250.1 ZL201721438216.1 ZL201721746884.0 ZL201721439132.X ZL201820018268.1 ZL201821943055.6 ZL201821336993.X ZL201821453365.X ZL201822083709.9 ZL201822083742.1 ZL201920577462.8
		ZL201721439137.2 ZL201821797724.3 ZL201821695640.9 ZL201920495545.2 ZL201920434441.0 ZL201920918860.1 ZL201920918885.1 ZL201920496343.X ZL201920768791.0 ZL201820950379.6 ZL2018209201820017 371.21 Tm2Å



405nm 656nm

30mm-82mm

SciSmart

2D

	Blob
	OCR OCV

2D

+

1pixel

1pixel

1.68pixel

3D

2D

3D

3D

3D

3D

a. 3D

3D

a

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b

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c

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d

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3D

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FPGA

FPGA

3D

K-Mean Meanshift CSF

a.

Dense CRF

b.

c.

d.

TBB

TBB

GPU

CPU

a. TBB

TBB

CPU

b. SSE/AVX

C++

CPU

CPU

c.

OpenCL

GPU

CPU

CPU GPU

TBB

CPU

		LED	

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1		2D	
2		3D OpenGL 3D	
3		TBB GPU COM BLOB C# VB C++ SSE AVX GUI	
4			
5			
6		70%	

8		40KHz $\pm 1\%$ $\leq 10 \mu s$ /	
9			
10		ISP PoE CMOS GigE Vision	
11			
12		SL PoE ToF	
13		$\pm 1 \mu m$ $\leq 5 \mu m$	
14		H310 2 U-DIMM 32GBDDR42400MHzSDRAM 4 POE 2 RS232 DB9 4 DI 24V 4 DO 1A	Win7 Win10 Linux mSATA
15		Data Matrix QR Code PDF417 Code39 Code93 Code128 EAN8 EAN13 UPC-A UPC-E ITF 3 DI 3 DO IP65	

2

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2017

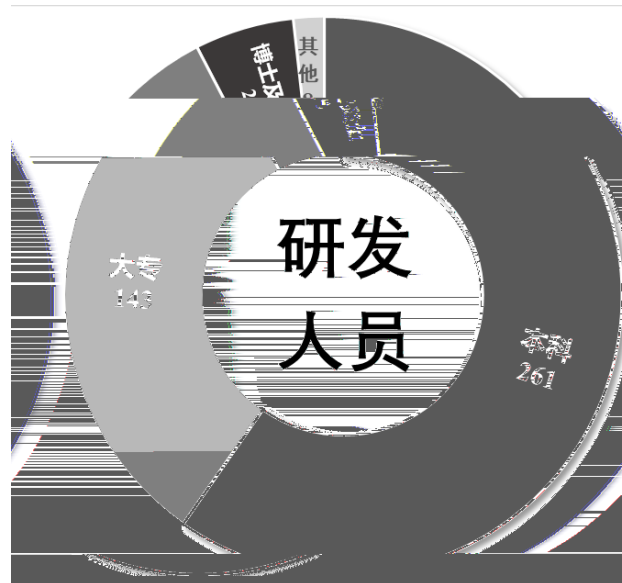
12 1 2020 12 31

	2020 1-6	2019	2018	2017
	3,227.57	5,818.38	4,991.60	4,646.33
	24,035.16	52,461.86	42,213.10	30,261.19
	13.43%	11.09%	11.82%	15.35%

2020 6 30

437

38.20%



3

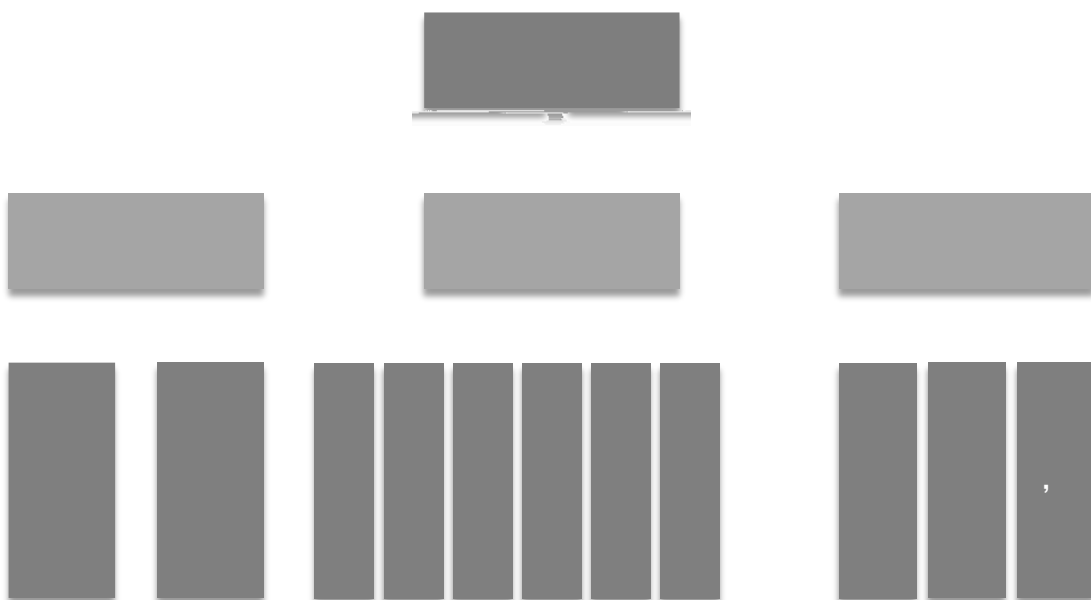
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2 2018 4 19

[2018]291

2018 3

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39.72%

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78.56%

43.22% 42.26%

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39.72%

38.84%

78.56%

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5%

5%

	9.71%	5%
	7.76%	5%

5%

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5%

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43.22% 42.26%

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	99.15%
	40%
	40%
	90%

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1		2017 10 2019 6	2019 6

2		2016 9 2018 12	2018 11
3		2019 7 2020 3	2020 3 Covid-19
4		2019 7 2020 4	2020 4

2

1		90%	2017 1
2		0.15%	2017 6 2019 7
3			2018 6
4			2018 11
5		33.33%	2019 1
6		50%	2019 3
7		49%	2019 4
8		2016 9 — 2019 7	2019 8
9		100%	2019 9
10		16.72%	2019 11

	2020 1-6	2019	2018	2017
	170.61	452.37	354.08	307.79

1

			3,500.00	[2017]8800-8110-244	
			3,500.00	[2017]8800-8110-245	
			3,333.00	(2100)2018 016097	
			3,333.00	(2100)2018 016096	
			4,500.00	HTC440770000ZGDB2 01900150	
			4,500.00	HTC440770000ZGDB2 01900149	

2

2015 7 11

2.22

2017

1			5.00	2016.4.22	2017.12.27
2			30.00	2016.11.10	2017.12.4

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	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	104,817,834.92	94,385,792.80	163,943,965.63	82,408,003.10
	162,500,000.00	220,131,000.00	-	-
	3,779,356.68	4,207,130.84	13,593,467.02	9,125,833.25
	232,002,911.58	179,665,513.69	129,794,420.48	89,174,665.86
	30,258,283.93	25,897,234.79	-	-
	1,331,578.89	680,763.13	1,764,583.78	1,284,944.37
	4,382,711.99	2,690,797.86	2,315,041.25	804,450.41

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	30,717.63	1,709,957.89	1,371,710.38	1,229,091.03
	3,755,957.84			
	17,846,053.20	20,193,096.73	17,048,583.17	10,686,753.59
	21,541,801.04	28,773,826.40	18,237,591.56	12,366,305.48
	1,942,196.20	938,173.36	3,848,971.78	361,473.28
	93,425,365.35	81,627,572.02	76,360,052.71	50,262,023.60
	1,123,979.80			
	661,836.67	671,246.67	690,066.67	-
	1,785,816.47	671,246.67	690,066.67	-
	95,211,181.82	82,298,818.69	77,050,119.38	50,262,023.60
	61,855,670.00	61,855,670.00	60,000,000.00	60,000,000.00
	186,849,521.71	186,849,521.71	68,705,191.71	66,691,191.71
	356,174.71	124,838.32	57,312.91	-127,041.24
	30,927,835.00	30,927,835.00	25,395,142.41	11,786,339.56
	313,563,917.85	283,777,901.50	203,297,673.84	80,096,699.06
	593,553,119.27	563,535,766.53	357,455,320.87	218,447,189.09
	688,764,301.09	645,834,585.22	434,505,440.25	268,709,212.69

2

	2020 1-6	2019	2018	2017
	240,351,604.01	524,618,602.58	422,130,978.89	302,611,884.95
	240,351,604.01	524,618,602.58	422,130,978.89	302,611,884.95
	146,925,655.10	280,990,290.09	256,510,273.24	208,611,033.24
	74,265,056.85	138,538,795.45	121,191,445.85	86,597,090.95
	2,102,436.54	6,122,202.51	4,085,759.62	2,454,547.69
	31,584,394.89	67,128,618.43	67,828,880.81	60,116,542.45
	8,360,392.34	18,315,655.50	18,781,463.67	10,895,955.09
	32,275,685.10	58,183,825.17	49,915,998.08	46,463,251.77
	-1,662,310.62	-7,298,806.97	-5,293,274.79	2,083,645.29
	-150,057.25	189,231.06	547,214.15	2,550.00
	987,677.94	3,316,935.62	1,107,041.88	372,133.35
	4,926,088.06	5,856,219.23	4,549,232.73	6,618,790.48
	2,611,039.45	610,543.13	-	864,854.79
“_”	-	-	-	-
“_”	-2,954,881.65	-3,298,871.68	-	-

	2020 1-6	2019	2018	2017
	49,148,060.64	80,452,872.36	137,684,936.70	110,936,265.84
	63,309,572.93	110,259,606.19	86,824,762.11	65,118,336.05
	42,610,688.55	66,279,540.88	45,658,515.40	24,489,389.07
	20,175,843.66	60,882,488.96	29,131,121.47	29,939,066.52
	175,244,165.78	317,874,508.39	299,299,335.68	230,483,057.48
	34,422,889.42	157,758,691.17	83,184,456.07	30,623,443.30
	302,631,000.00	68,600,000.00	-	60,000,000.00
	1,964,593.01	599,065.75	-	864,854.79
	-	1,580.00	3,852.72	623,140.00
	-	-	-	-
	-	-	-	-
	304,595,593.01	69,200,645.75	3,852.72	61,487,994.79
	23,391,880.79	10,956,396.30	16,904,816.03	29,989,737.46
	245,000,000.00	288,931,000.00	196,589.02	20,000,000.00
	-	-	-	-
	-	-	-	-
	268,391,880.79	299,887,396.30	17,101,405.05	49,989,737.46
	36,203,712.22	-230,686,750.55	-17,097,552.33	11,498,257.33

	2020 1-6	2019	2018	2017
	-	120,196,589.02	-	-
	-	2,700,000.00	12,945,116.85	-
	-	-	-	-
	-	122,896,589.02	12,945,116.85	-
	-	12,945,116.85	-	1,250,000.00
	50,056,441.25	120,211,017.40	522,165.31	3,004,633.33
	-	-	-	-
	50,056,441.25	133,156,134.25	522,165.31	4,254,633.33
	-50,056,441.25	-10,259,545.23	12,422,951.54	-4,254,633.33
	761,881.73	2,729,431.78	3,026,107.25	-1,582,647.66
	21,332,042.12	-80,458,172.83	81,535,962.53	36,284,419.64
	83,485,792.80	163,943,965.63	82,408,003.10	46,123,583.46
	104,817,834.92	83,485,792.80	163,943,965.63	82,408,003.10

1

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	85,491,839.44	78,514,808.42	151,709,946.06	77,098,010.20
	162,500,000.00	220,131,000.00	-	-
	3,779,356.68	4,207,130.84	13,593,467.02	

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	909,823.68	641,870.63	1,764,583.78	1,284,944.37
	8,911,238.64	5,911,753.19	4,657,091.59	759,773.59
	60,955,457.56	53,190,870.46	65,552,385.84	46,529,201.74
	2,993,646.71	1,309,745.45	71,086.60	527,265.50
	591,384,159.86	565,722,474.03	369,020,740.34	225,737,520.56
	48,318,810.52	48,318,810.52	40,818,810.52	6,318,810.52
	11,475,999.54	12,423,653.70	12,214,669.00	9,235,087.43
	26,993,439.74	3,541,966.59	1,952,717.78	344,298.52
	802,583.37	1,002,695.43	2,092,136.51	2,415,121.22
	4,728,308.20	3,907,636.78	3,323,089.79	2,035,513.55
		-	1,141,700.00	24,689,102.00
	92,319,141.37	69,194,763.02	61,543,123.60	45,037,933.24
	683,703,301.23	634,917,237.05	430,563,863.94	270,775,453.80
	2,703,262.50	2,700,000.00	12,945,116.85	-
	45,540,720.11	26,790,244.25	22,339,654.51	25,501,160.44
	13,806.00	1,663,002.47	1,370,847.17	1,229,091.03
	3,755,957.84			
	16,374,181.32	18,637,902.34	16,676,715.47	10,265,429.75
	19,589,667.81	24,810,204.37	17,300,499.46	12,361,537.92
	1,435,513.85	593,920.52	468,735.23	57,967.89
	89,413,109.43	75,195,273.95	71,101,568.69	49,415,187.03
	1,123,979.80			
	1,123,979.80	-	-	

	2020 1-6	2019	2018	2017
	27,298,631.75	57,254,089.98	62,272,010.85	55,608,332.75
	7,254,195.71	15,852,238.62	16,303,274.83	10,724,290.94
	30,721,575.70	54,115,167.12	45,826,002.19	45,652,715.23
	-1,924,959.31	-7,671,857.55	-5,355,726.73	2,050,910.39
	-150,057.25	189,231.06	547,214.15	2,550.00
	986,504.96	3,260,453.92	1,099,885.22	371,149.24
	4,810,760.49	5,856,219.23	4,549,232.73	6,618,790.48
	2,611,039.45	610,543.13	-	864,854.79
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“ ”	-3,116,564.97	-5,332,935.39	-	-
“_”	-4,519,004.93	-3,509,797.96	-8,746,296.38	-6,559,106.11
“_”	-	-	-6,766.06	-332,012.63
-	97,081,555.83	234,339,861.68	157,599,946.08	94,246,602.91
	520,153.01	104,764.51	88,519.27	203,593.73
	70,190.48	166,328.46	81,538.00	6,230,552.55
-	97,531,518.36	234,278,297.73	157,606,927.35	88,219,644.09
	14,087,269.46	33,588,186.88	21,518,898.87	11,940,761.32
-	83,444,248.90	200,690,110.85	136,088,028.48	76,278,882.77
	83,444,248.90	200,690,110.85	136,088,028.48	76,278,882.77
		-	-	-
		-	-	-
	83,444,248.90	200,690,110.85	136,088,028.48	76,278,882.77

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	2020 1-6	2019	2018	2017
	175,790,469.43	441,271,902.21	362,011,770.37	251,393,634.77
	893,540.29	5,720,219.23	3,426,932.73	5,176,863.70

	2020 1-6	2019	2018	2017
	19,250,203.72	4,392,609.40	2,608,492.77	2,384,204.31
	195,934,213.44	451,384,730.84	368,047,195.87	258,954,702.78
	46,239,453.21	77,999,655.57	138,612,171.25	115,189,713.09
	58,957,793.17	100,842,229.45	83,100,845.10	61,895,959.97
	40,406,832.79	66,131,028.16	44,749,697.30	24,487,880.57
	19,465,125.32	51,747,284.89	26,632,916.77	27,729,211.72
	165,069,204.49	296,720,198.07	293,095,630.42	229,302,765.35
	30,865,008.95	154,664,532.77	74,951,565.45	29,651,937.43
	-			
	302,631,000.00	68,600,000.00	-	60,000,000.00
	1,964,593.01	599,065.75	-	864,854.79
	-	1,580.00	3,852.72	623,140.00
		-	-	-
	304,595,593.01	69,200,645.75	3,852.72	61,487,994.79
	23,383,267.06	3,933,660.53	15,787,136.75	29,981,770.44
	245,000,000.00	296,431,000.00	-	21,000,000.00
		-	-	-
	268,383,267.06	300,364,660.53	15,787,136.75	50,981,770.44
	36,212,325.95	-231,164,014.78	-15,783,284.03	10,506,224.35

	2020 1-6	2019	2018	2017
	-	120,000,000.00	-	-
		2,700,000.00	12,945,116.85	-
		-	-	-
	-	122,700,000.00	12,945,116.85	-
	-	12,945,116.85	-	1,250,000.00
	50,056,441.25	120,211,017.40	522,165.31	3,004,633.33
		-	-	-
	50,056,441.25	133,156,134.25	522,165.31	4,254,633.33
	-50,056,441.25	-10,456,134.25	12,422,951.54	-4,254,633.33
	856,137.37	2,860,478.62	3,020,702.90	-1,300,248.29
	17,877,031.02	-84,095,137.64	74,611,935.86	34,603,280.16

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2-3	3	20.00	20.00
3-4	4	30.00	30.00
4-5	5	50.00	50.00
5		100.00	100.00

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	2020 1-6 4,926,088.06 4,926,088.06 2019 5,856,219.23 5,856,219.23 2018 4,549,232.73 4,549,232.73 2017 6,618,790.48 6,618,790.48 2020 1-6 4,810,760.49 4,810,760.49 2019 5,856,219.23 5,856,219.23 2018 4,549,232.73 4,549,232.73 2017 6,618,790.48 6,618,790.48

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	2019 2020 1-6 0.00 0.00 0.00 0.00 0.00 2018 -6,766.06 0.00 6,766.06 2017 - 332,012.63 0.00 332,012.63 2020 1-6 0.00 0.00 2019 0.00 0.00 0.00 2018 -6,766.06 0.00 6,766.06 2017 -332,012.63 0.00 332,012.63

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	2020 1-6 79,786,016.35 0.00 2019 206,446,901.47 0.00 2018 136,809,777.63 0.00 2017 75,805,375.39 0.00 2020 1-6 83,444,248.90 0.00 2019 200,690,110.85 0.00 2018 136,088,028.48 0.00 2017 76,278,882.77 0.00

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/	2020 1-6 4,382,711.99 2019 2,690,797.86 2018 2,315,041.25 2017 804,450.41 2020 1-6 8,911,238.64 2019 5,911,753.19 2018 4,657,091.59 2017 759,773.59
“ ”	2020 1-6 1,942,196.20 2019 938,173.36 2018 3,848,971.78 2017 361,473.28 2020 1-6 1,435,513.85 2019 593,920.52 2018 468,735.23 2017 57,967.89
“ ”	2020 1-6 32,275,685.10 32,275,685.10 2019 58,183,825.17 58,183,825.17 2018 49,915,998.08 49,915,998.08 2017 46,463,251.77 46,463,251.77 2020 1-6 30,721,575.70 30,721,575.70 2019 54,115,167.12 54,115,167.12 2018 45,826,002.19 45,826,002.19 2017 45,652,715.23 45,652,715.23

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	2020 6 30 3,779,356.68 232,002,911.58 2019 12 31 4,207,130.84 179,665,513.69 2018 12 31 13,593,467.02 129,794,420.48 2017 12 31 9,125,833.25 89,174,665.86 2020 6 30 3,779,356.68 235,584,513.22 2019 12 31 4,207,130.84 175,918,060.25 2018 12 31 13,593,467.02 131,672,179.45 2017 12 31 9,125,833.25 90,412,491.91 2020 6 30 0.00 45,605,376.94 2019 12 31 0.00
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		2,315,041.25	2,110,560.03	204,481.22
		228,692,816.25	228,258,835.03	433,981.22

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		151,709,946.06	151,709,946.06	-
		13,593,467.02	13,593,467.02	-
		131,672,179.45	131,442,679.45	229,500.00
		4,657,091.59	4,456,148.59	200,943.00
		230,757,103.54	230,326,660.54	430,443.00

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	3,755,957.84
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		-0.42	-1.23	-0.68	-33.20

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	15	15	15	15	15
	20	20	20	20	20
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	25	20	20	20	-
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	15	15	15	15	-
	15	15	15	-	-
	25	25	25	25	-

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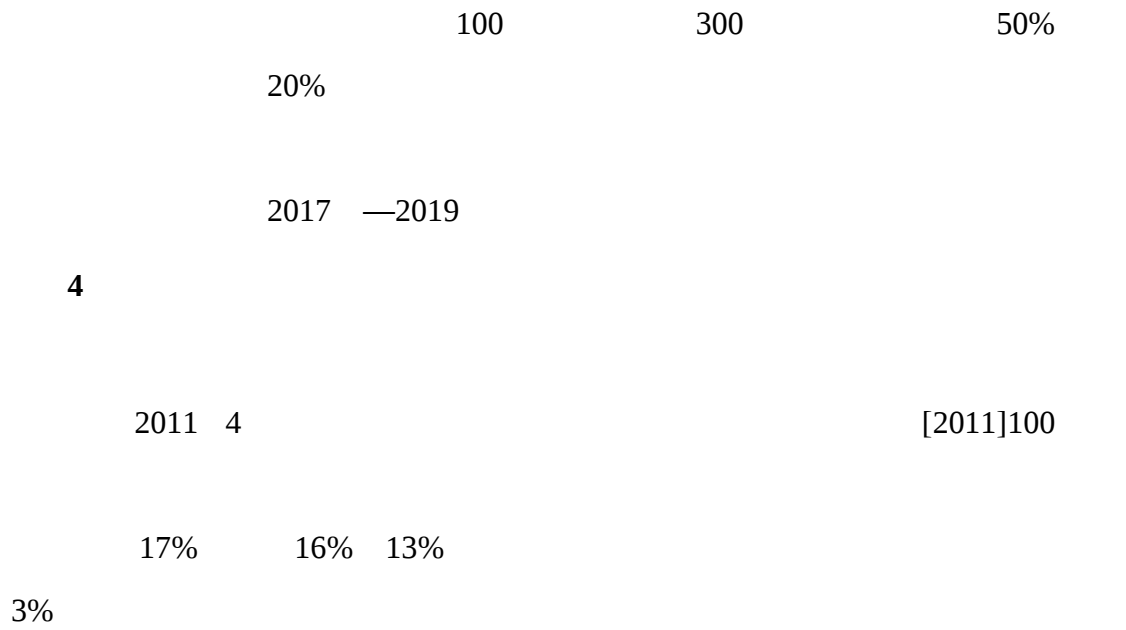
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	2020	1-6	2019	2018	2017
		1,075.40	2,460.01	1,694.13	966.31
		122.31	272.74	260.54	192.66
		-	-	-	-
		89.35	572.02	342.69	515.94
		1,287.07	3,304.77	2,297.36	1,674.90
		13.70%	13.59%	14.40%	19.09%

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			/	
	2020 1-6	13.41%	1.2899	1.2899
	2019	49.13%	3.4408	3.4408
	2018	47.53%	2.2802	2.2802
	2017	41.53%	1.2634	1.2634
	2020 1-6	12.36%	1.1895	1.1895
	2019	48.96%	3.4292	3.4292
	2018	47.79%	2.2929	2.2929
	2017	43.41%	1.3206	1.3206

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$$P0 = \frac{NP}{E0} \times \frac{Ei \times Mi \div M0 - Ej \times Mj \div M0 \pm Ek \times Mk \div M0}{E0}$$

$\frac{NP}{E0} \times \frac{Ei \times Mi \div M0 - Ej \times Mj \div M0 \pm Ek \times Mk \div M0}{E0}$

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$$S = \frac{P0}{S0} \times \frac{Si \times Mi \div M0 - Sj \times Mj \div M0 - Sk}{S0}$$

$\frac{P0}{S0} \times \frac{Si \times Mi \div M0 - Sj \times Mj \div M0 - Sk}{S0}$

3

$$P1 = \frac{S0}{S1} \times \frac{Si \times Mi \div M0 - Sj \times Mj \div M0 - Sk}{S1}$$

$\frac{S0}{S1} \times \frac{Si \times Mi \div M0 - Sj \times Mj \div M0 - Sk}{S1}$

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	2020	1-6	2019		2018		2017	
	24,031.09	99.98%	52,454.81	99.99%	42,209.52	99.99%	30,258.49	99.99%
	4.08	0.02%	7.06	0.01%	3.58	0.01%	2.70	0.01%
	24,035.16	100.00%	52,461.86	100.00%	42,213.10	100.00%	30,261.19	100.00%

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	2020 1-6		2019		2018		2017	
	2,667.45	11.10%	5,432.89	10.36%	5,299.35	12.55%	3,613.93	11.94%
	5,097.15	21.21%	9,664.47	18.42%	7,067.95	16.74%	3,952.59	13.06%

		2014					
			3,952.59	7,067.95	9,664.47		
5,097.15				13.06%	16.74%	18.42%	21.21%
2018	2019		78.82%	36.74%	2020		
	18.74%				3C		

/	2020	1-6	2019		2018		2017	
	79.81	4.85%	201.85	1.26%	39.94	0.29%	20.26	0.26%
	285.97	17.37%	199.15	1.25%	374.90	2.73%	380.84	4.89%
	47.01	2.86%	100.17	0.63%	140.47	1.02%	52.31	0.67%
	174.29	10.59%	244.35	1.53%	277.56	2.02%	185.28	2.38%
	1,646.28	100.00%	15,970.70	100.00%	13,734.31	100.00%	7,794.62	100.00%

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Apple Operation

Cognex Ireland Ltd.

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	2020	1-6	2019		2018		2017	
	7,814.27	32.52%	11,237.37	21.42%	6,462.64	15.31%	3,134.76	10.36%
	16,216.82	67.48%	10,954.85	20.88%	10,595.36	25.10%	8,315.79	27.48%
	-	-	20,096.21	38.31%	14,144.47	33.51%	10,121.55	33.45%
	-	-	10,166.38	19.38%	11,007.06	26.08%	8,686.39	28.71%
	24,031.09	100.00%	52,454.81	100.00%	42,209.52	100.00%	30,258.49	100.00%

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	2020 1-6		2019		2018		2017	
	7,426.51	100.00%	13,853.88	100.00%	12,119.14	100.00%	8,659.71	100.00%
	-	-	-	-	-	-	-	-
	7,426.51	100.00%	13,853.88	100.00%	12,119.14	100.00%	8,659.71	100.00%

8,659.71 12,119.14 13,853.88 7,426.51

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	2020 1-6		2019		2018		2017	
	2,142.10	28.84%	4,309.02	31.10%	3,428.11	28.29%	2,562.78	29.59%
	867.08	11.68%	1,637.28	11.82%	1,580.23	13.04%	1,013.70	11.71%
	1,731.06	23.31%	3,175.46	22.92%	2,607.41	21.51%	1,580.21	18.25%
	1,560.59	21.01%	2,706.04	19.53%	3,064.91	25.29%	2,423.00	27.98%
	345.25	4.65%	599.55	4.33%	424.48	3.50%	252.11	2.91%
	780.44	10.51%	1,426.54	10.30%	1,014.01	8.37%	827.92	9.56%
	7,426.51	100.00%	13,853.88	100.00%	12,119.14	100.00%	8,659.71	100.00%

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	2020	1-6	2019		2018		2017	
	16,604.58	99.98%	38,600.93	99.98%	30,090.37	99.99%	21,598.78	99.99%
	4.08	0.02%	7.06	0.02%	3.58	0.01%	2.70	0.01%
	16,608.65	100.00%	38,607.98	100.00%	30,093.95	100.00%	21,601.48	100.00%

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	2020	1-6	2019	2018	2017
	24,031.09		52,454.81	42,209.52	30,258.49
	7,426.51		13,853.88	12,119.14	8,659.71
	1,970.76		2,973.53	2,507.27	2,639.89
	987.77		1,643.72	1,591.21	923.34
	123.54		334.07	1,121.34	2,264.18
	10,508.58		18,805.20	17,338.96	14,487.12
	69.10%		73.59%	71.29%	71.38%
	56.27%		64.15%	58.92%	52.12%

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	2020 1-6	2019	2018	2017
	72.79%	73.85%	74.45%	75.55%
	81.17%	81.81%	82.35%	82.12%
	49.76%	45.99%	44.85%	44.00%
	30.51%	25.52%	24.62%	24.88%
	76.98%	77.83%	78.40%	78.84%
	58.56%	56.79%	56.57%	56.64%
	69.10%	73.59%	71.29%	71.38%

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	2020 1-6	2019	2018	2017
	3,158.44	6,712.86	6,782.89	
	13.14%	12.80%		

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	2020	1-6	2019		2018		2017	
	2,297.73	72.75%	4,382.10	65.28%	3,749.57	55.28%	2,069.15	34.42%
	176.60	5.59%	494.20	7.36%	1,282.82	18.91%	2,698.51	44.89%
	282.52	8.94%	582.87	8.68%	610.51	9.00%	422.67	7.03%
	33.84	1.07%	296.54	4.42%	265.84	3.92%	219.15	3.65%
	146.27	4.63%	332.33	4.95%	245.43	3.62%	189.52	3.15%
	110.45	3.50%	311.54	4.64%	254.31	3.75%	153.21	2.55%
	47.87	1.52%	147.27	2.19%	243.51	3.59%	180.58	3.00%
	41.69	1.32%	92.84	1.38%	69.75	1.03%	42.72	0.71%
	5.37	0.17%	17.48	0.26%	11.75	0.17%	12.17	0.20%
	16.11	0.51%	55.69	0.83%	49.41	0.73%	23.97	0.40%
	3,158.44	100.00%	6,712.86	100.00%	6,782.89	100.00%	6,011.65	100.00%
	13.14%		12.80%		16.07%		19.87%	

89.99% 87.11% 85.74%

88.36%

2,069.15 3,749.57

4,382.10 2,297.73

34.42% 55.28% 65.28%

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2017 2019

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	2020	1-6	2019		2018		2017	
	2,599.68	80.55%	4,326.09	74.35%	3,109.72	62.30%	2,154.84	46.38%
	148.77	4.61%	560.11	9.63%	859.52	17.22%	1,941.29	41.78%
	320.46	9.93%	503.35	8.65%	369.97	7.41%	399.63	8.60%
	-	0.00%	-	-	313.24	6.28%	-	-
	42.11	1.30%	195.11	3.35%	242.76	4.86%	76.73	1.65%
	51.47	1.59%	95.05	1.63%	62.43	1.25%	52.61	1.13%
	44.99	1.39%	81.18	1.40%	26.31	0.53%	15.26	0.33%
	7.81	0.24%	9.42	0.16%	5.21	0.10%	4.28	0.09%
	12.27	0.38%	48.07	0.83%	2.45	0.05%	1.68	0.04%
	3,227.57	100.00%	5,818.38	100.00%	4,991.60	100.00%	4,646.33	100.00%
	13.43%		11.09%		11.82%		15.35%	

96.76% 86.93% 92.63% 95.08%

2,154.84

3,109.72 4,326.09 2,599.68

1,941.29 859.52

560.11 148.77

399.63 369.97 503.35

320.46 2019

PMC

2007 194

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	2020	1-6	2019	2018	2017
1000	-	-	-	400.50	
	-	-	-	270.69	
	-	-	-	314.27	
	-	-	-	202.61	
	-	-	-	145.90	
	-	-	-	408.79	
	-	-	-	125.53	
	-	-	-	138.14	
	-	-	156.96	-	
	-	429.90	287.89	-	
250 LUX	-	-	149.84	-	
8 4	-	-	157.17	-	

	2020	1-6	2019	2018	2017
	-		99.59	-	-
	82.02		144.11	-	-
	-		192.07	-	-
	-		406.42	-	-
	-		240.08	-	-
	210.04		361.48	-	-
	64.17		201.61	-	-
	32.09		227.29	-	-
	111.69		-	-	-
	79.78		-	-	-
	23.26		-	-	-
	75.00		-	-	-
	49.26		-	-	-
	132.02		-	-	-
	62.91		-	-	-
	65.33		-	-	-
	148.04		-	-	-
	30.08		-	-	-
	91.12		-	-	-
3C	1,054.89		1,436.28	1,362.93	1,759.69
	452.85		662.71	401.92	457.04
	463.02		874.55	742.43	423.16
	3,227.57		5,818.38	4,991.60	4,646.33

4

	2020	1-6	2019	2018	2017
	-15.01		18.92	54.72	0.26
	98.77		331.69	110.70	37.21
	13.03		16.90	17.94	5.66
	-65.48		-434.01	-491.28	239.67
	-166.23		-729.88	-529.33	208.36

208.36 -529.33 -729.88 -

166.23 2018 2019

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	2020 1-6	2019	2018	2017
	621.11	69.33	-76.24	-343.13
	621.11	69.33	-76.24	-343.13
	7,978.60	20,644.69	13,680.98	7,580.54
	7.78%	0.34%	-0.56%	-4.53%
	7,357.49	20,575.36	13,757.21	7,923.66

-343.13

-76.24 69.33 621.11
-4.53% -0.56% 0.34% 7.78%

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	2020 1-6	2019	2018	2017
	-	-	-305.35	-315.52
	-451.90	-350.98	-760.99	-422.21
	-451.90	-350.98	-1,066.34	-737.73

-737.73 -1,066.34 -350.98

-451.90

2019 22 —H

3 “ - ”

	2020 1-6	2019	2018	2017
	-0.38	8.38	-	-
	-242.77	-353.71	-	-
	-52.34	15.44	-	-
	-295.49	-329.89	-	-

0 0 -

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4

	2020	1-6	2019	2018	2017
		261.10	61.05	-	86.49
		261.10	61.05	-	86.49

86.49 0 61.05 261.10 0.99%

0.00% 0.25% 2.78% 2018

5

	2020	1-6	2019	2018	2017
		89.35	572.02	342.69	515.94

5	2020	4.60
6		2.00
1		6.60
2	2019	4.50
3		1.50
4	2018	1.00
1	2017	82.24
2		14.25
3	2016	10.00
4	2018	3.34
5	2018	2.40
1	2016	86.62
2		40.00
3	2017	12.62
4	2016	3.00
5		1.90
6	2017	1.20
7	2017	0.60

6

	2020 1-6	2019	2018	2017
	-	-	-0.68	-33.20
	-	-	-0.68	-33.20

-33.20 -0.68

	2020	1-6	2019	2018	2017
		53.39	10.54	8.85	20.36
		53.39	10.54	8.85	20.36

20.36 8.85 10.54 53.39

0.23% 0.06% 0.04% 0.57%

2020 1-6

8

	2020	1-6	2019	2018	2017
		0.42	1.23	-	-
		7.45	8.38	7.98	4.27
		-	-	0.01	0.01
		-	0.70	-	-
		-	7.54	0.72	618.99
		7.87	17.84	8.71	623.27

623.27 8.71 17.84 7.87

2017

2017 8 “ ”

	2020	1-6	2019	2018	2017
	1,491.17	2,375.25	3,709.26	2,808.13	2,374.31
	1,877.97	1,734.41	3,347.01	3,194.68	2,284.60
	96.04	91.96	289.28	295.94	193.33
	96.04	91.96	289.28	295.94	193.33
	1,091.93	1,091.14	2,583.41	2,570.32	415.23
	10.79	9.80	19.36	18.96	21.92
	7.38	-	14.30	14.30	-

	2020 1-6		2019		2018		2017	
	-	-	-	-	89.39	89.39	-	-
	4,671.32	5,394.52	10,251.90	9,198.27	5,572.10	4,984.97	3,459.84	2,821.74

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	2020-6-30		2019-12-31		2018-12-31		2017-12-31	
	60,337.94	87.60%	58,280.24	90.24%	37,706.90	86.78%	22,989.52	85.56%
	8,538.49	12.40%	6,303.21	9.76%	5,743.64	13.22%	3,881.40	14.44%
	68,876.43	100.00%	64,583.46	100.00%	43,450.54	100.00%	26,870.92	100.00%

1

26,870.92 43,450.54 64,583.46
 68,876.43 2020 6 2017 156.32%
 162.46% 119.98%

2

85.56% 86.78% 90.24% 87.60%

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	2020-6-30		2019-12-31		2018-12-31		2017-12-31	
	10,481.78	17.37%	9,438.58	16.20%	16,394.40	43.48%	8,240.80	35.85%
	16,250.00	26.93%	22,013.10	37.77%	-	-	-	-
	377.94	0.63%	420.71	0.72%	1,359.35	3.61%	912.58	3.97%
	23,200.29	38.45%	17,966.55	30.83%	12,979.44	34.42%	8,917.47	38.79%
	3,025.83	5.01%	2,589.72	4.44%	-	-	-	-
	133.16	0.22%	68.08	0.12%	176.46	0.47%	128.49	0.56%
	438.27	0.73%	269.08	0.46%	231.50	0.61%	80.45	0.35%
	6,129.84	10.16%	5,380.90	9.23%	6,555.24	17.38%	4,652.92	20.24%
	300.83	0.50%	133.52	0.23%	10.51	0.03%	56.81	0.25%
	60,337.94	100.00%	58,280.24	100.00%	37,706.90	100.00%	22,989.52	100.00%

22,989.52

37,706.90

58,280.24

60,337.94

2017

2018

94.87%

95.29%

2019

2020

6

94.03%

92.91%

2019

1

1

1

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	0.93	0.44	0.57	4.07
	10,480.85	9,438.14	16,393.82	8,236.73
		-	0.01	0.00
	10,481.78	9,438.58	16,394.40	8,240.80
	1,858.46	1,526.05	1,154.54	502.65

8,240.80 16,394.40
9,438.58 10,481.78 35.85% 43.48% 16.20%
17.37%

2019 1,090.00 1,000.00

2022 6 20 90

2020 6 2,500.00 ,

2019 2020 6 2017 2018

2019 12 2020 6 22,013.10 16,250.00

2019 2020 6

2

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	16,250.00	22,013.10	-	-
	13,550.00	6,513.10	-	-
	2,700.00	15,500.00	-	-
	16,250.00	22,013.10	-	-

2019 2020 6

3

	2020-6-30			2019-12-31			2018-12-31			2017-12-31		
	-	-	-	-	-	-	498.45	-	498.45	769.58	-	769.58

29.47% 30.75%

34.25% 48.26%

2020 6

5 6

11 12

3

	2020-6-30		2019-12-31		2018-12-31		2017-12-31	
	24,476.25	1,275.96	19,008.08	1,041.53	13,660.13	700.16	9,394.23	476.77
	24,476.25	1,275.96	19,008.08	1,041.53	13,660.13	700.16	9,394.23	476.77
	11.65	11.65	37.21	37.21	35.12	15.64	-	-
	24,487.90	1,287.61	19,045.29	1,078.74	13,695.25	715.81	9,394.23	476.77

	2020-6-30			2019-12-31			2018-12-31			2017-12-31		
1	23,580.07	96.34%	1,179.00	17,213.06	90.56%	860.65	13,469.98	98.61%	673.5	9,253.14	98.50%	462.66
1-2	877.84	3.59%	87.78	1,791.59	9.43%	179.16	113.65	0.83%	11.37	141.09	1.50%	14.11
2-3	18.34	0.07%	9.17	3.44	0.02%	1.72	76.5	0.56%	15.3	-	-	-
	24,476.25	100.00%	1,275.96	19,008.08	100.00%	1,041.53	13,660.13	100.00%	700.16	9,394.23	100.00%	476.77

1

98.50% 98.61% 90.56% 96.34%

a. 2020

	2020-6-30		
	6.12	6.12	100.00%
	3.13	3.13	100.00%
Cognex Germany Aachen GmbH	1.58	1.58	100.00%
SCHMID Automation (Zhuhai) Co Ltd	0.82	0.82	100.00%
	11.65	11.65	

b. 2019

	2019-12-31		
	33.47	33.47	100.00%
	3.13	3.13	100.00%
	0.43	0.43	100.00%
	0.18	0.18	100.00%
	37.21	37.21	

c. 2018

	2018-12-31		
	33.47	14.00	41.82%
SCHMID Automation (Zhuhai) Co Ltd	0.79	0.79	100.00%
Intercon Industries Inc	0.79	0.79	100.00%
	0.07	0.07	100.00%
	35.12	15.64	

2020 1-6 2019

2019 1 1

1

1-2

2-3

3-4

4-5

5

5

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	3,025.83	2,589.72	-	-
	3,025.83	2,589.72	-	-

2019 1 1

2019 2020 6

2,589.72 3,025.83 4.44%

5.01%

6

128.49 176.46 68.08

133.16 0.56% 0.47% 0.12% 0.22%

7

80.45 231.50

269.08 438.27 0.35% 0.61% 0.46%

0.73%

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	450.58	292.54	251.11	89.51
	76.95	24.61	19.61	9.07
	373.63	267.93	231.50	80.45
	64.64	1.15		
	438.27	269.08	231.50	80.45

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	283.65	151.07	166.39	49.84

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	75.53	84.46	9.80	6.30
	46.27	37.52	28.74	19.41
	45.13	15.16	25.02	13.96
	-	-	19.66	-
	-	4.34	1.49	-
	450.58	292.54	251.11	89.51

2018 2017 161.60

2018 2

100 2018 11

2.5

2019 1

2019 2018 41.43

2017 6 2016

5

237.41

6.30 9.80 84.46 75.53

2020 6 2019 158.04

128.71

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	2020-6-30		2019-12-31		2018-12-31		2017-12-31	
	1,583.06	25.83%	1,455.76	27.05%	1,693.92	25.84%	1,282.22	27.56%
	258.17	4.21%	139.71	2.60%	145.31	2.22%	95.15	2.04%
	1,691.02	27.59%	1,931.85	35.90%	3,428.35	52.30%	2,430.08	52.23%
	2,577.54	42.05%	1,830.69	34.02%	1,269.61	19.37%	829.02	17.82%
	20.06	0.33%	22.89	0.43%	18.06	0.28%	16.46	0.35%
	6,129.84	100.00%	5,380.90	100.00%	6,555.24	100.00%	4,652.92	100.00%

4,652.92 6,555.24
 5,380.90 6,129.84 20.24% 17.38% 9.23%
 10.16%
 97.60% 97.51% 96.98% 95.46%
 1,282.22 1,693.92
 1,455.76 1,583.06 27.56% 25.84% 27.05%
 25.83%

2018

829.02 1,269.61 1,830.69

2,577.54 17.82% 19.37% 34.02% 42.05%

2019 2020 6

1

2020 6

/	1	1-2	2-3	3	
	1,733.55	172.18	280.31	278.60	2,464.64
	260.80				260.80
	1,600.41	321.66	376.77	198.01	2,496.85
	2,577.54				2,577.54
		2.72	2.19	1.26	

119.65

	2020-6-30			2019-12-31		
	2,464.64	881.58	35.77%	2,394.54	938.78	39.21%
	260.80	2.64	1.01%	141.04	1.34	0.95%
	2,496.85	805.83	32.27%	2,526.23	594.37	23.53%
	2,577.54	-	0.00%	1,830.69	-	-
	24.63	4.57	18.55%	26.07	3.17	12.16%
	7,824.46	1,694.62	21.66%	6,918.56	1,537.66	22.23%
	2018-12-31			2017-12-31		
	2,703.45	1,009.53	37.34%	1,865.30	583.08	31.26%
	145.49	0.18	0.12%	95.33	0.18	0.19%
	4,125.33	696.98	16.90%	2,792.97	362.90	

21.66%

2018

	2020-6-30		2019-12-31		2018-12-31		2017-12-31	
	1,211.30	14.19%	1,315.39	20.87%	1,305.01	22.72%	932.99	24.04%
	6,724.28	78.75%	4,433.46	70.34%	3,680.24	64.07%	34.43	0.89%
	120.07	1.41%	145.91	2.31%	266.50	4.64%	241.51	6.22%
	482.84	5.65%	408.45	6.48%	377.72	6.58%	203.55	5.24%
	-	-	-	-	114.17	1.99%	2,468.91	63.61%
	8,538.49	100.00%	6,303.21	100.00%	5,743.64	100.00%	3,881.40	100.00%

3,881.40 5,743.64

6,303.21 8,538.49

2017

87.65% 2018 2019 2020 6

86.80% 91.21% 92.94%

1

	2020-6-30		2019-12-31		2018-12-31		2017-12-31	
	907.20	74.89%	967.51	73.55%	882.99	67.66%	592.31	63.48%
	147.26	12.16%	181.19	13.77%	248.61	19.05%	228.66	24.51%
	156.84	12.95%	166.69	12.67%	173.42	13.29%	112.02	12.01%
	1,211.30	100.00%	1,315.39	100.00%	1,305.01	100.00%	932.99	100.00%

932.99 1,305.01

1,315.39 1,211.30

2

	2020-6-30		2019-12-31		2018-12-31		2017-12-31	
	6,333.76	94.19%	4,057.68	91.52%	3,460.73	94.04%	-	-
	390.52	5.81%	375.79	8.48%	219.51	5.96%	34.43	100.00%
	6,724.28	100.00%	4,433.46	100.00%	3,680.24	100.00%	34.43	100.00%

2018

3,460.73

2019

2020 6

2018 2019 2020 6

3

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	65.81	81.37	184.93	208.94
	14.45	18.90	24.29	32.58
	39.81	45.64	57.29	-
	120.07	145.91	266.50	241.51

241.51 266.50 145.91

120.07

2018

4

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	456.33	402.43	377.72	203.55
	202.14	171.78	121.50	61.48
	254.19	230.65	256.22	142.08
	9.65	6.02	-	-
	16.86			
	482.84	408.45	377.72	203.55

203.55 377.72

408.45 482.84

5

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	-	-	114.17	268.91
	-	-	-	2,200.00
	-	-	114.17	2,468.91

2,468.91 114.17

0 0 2017

2,200

于

	2020-6-30		2019-12-31		2018-12-31		2017-12-31	
	270.33	2.84%	270.00	3.28%	1,294.51	16.80%	-	-
	4,560.54	47.90%	2,731.25	33.19%	2,290.81	29.73%	2,561.84	50.97%
	3.07	0.03%	171.00	2.08%	137.17	1.78%	122.91	2.45%
	375.60	3.94%						
	1,784.61	18.74%	2,019.31	24.54%	1,704.86	22.13%	1,068.68	21.26%
	2,154.18	22.63%	2,877.38	34.96%	1,823.76	23.67%	1,236.63	24.60%
	194.22	2.04%	93.82	1.14%	384.90	5.00%	36.15	0.72%
	9,342.54	98.12%	8,162.76	99.18%	7,636.01	99.10%	5,026.20	100.00%
	-	0.00%						
	112.40	1.18%						
	66.18	0.70%	67.12	0.82%	69.01	0.90%	-	-
	178.58	1.88%	67.12	0.82%	69.01	0.90%	-	-
	9,521.12	100.00%	8,229.88	100.00%	7,705.01	100.00%	5,026.20	100.00%

5,026.20 7,705.01 8,229.88

9,521.12

99%

1

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	270.00	270.00	594.51	-
		-	700.00	-
	0.33			
	270.33	270.00	1,294.51	-

0 1,294.51 270.00

270.33 2019 2020 6

2

2,561.84 2,290.81

2,731.25 4,560.54 50.97% 29.73% 33.19%

47.90%

2018

2018

2020 6 5 6

11 12

2020-6-30	1			557.26	12.22%
	2			352.12	7.72%
	3			300.38	6.59%
	4			284.82	6.25%
	5		LED	262.90	5.76%
				1,757.48	38.54%
2019-12-31	1			202.40	7.41%
	2			193.43	7.08%
	3			192.71	7.06%
	4			157.70	5.77%
	5			150.04	5.49%
				896.27	32.82%
2018-12-31	1			216.61	9.46%
	2			144.60	6.31%
	3			141.92	6.20%
	4		LED	116.00	5.06%
	5			91.40	3.99%
				710.54	31.02%
2017-12-31	1			349.81	13.65%
	2			225.52	8.80%
	3			151.58	5.92%
	4			117.12	4.57%
	5			114.52	4.47%
				958.54	37.42%

3

122.91 137.17 171.00

3.07

4

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	375.60		-	-

2020 1 1

/

2020 6

375.60

5

	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	1,784.61	2,019.31	1,704.86	1,068.68
	1,784.61	2,019.31	1,704.86	1,068.68
-		-	-	-
		-	-	-
	1,784.61	2,019.31	1,704.86	1,068.68

1,068.68 1,704.86

2,019.31 1,784.61

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	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	1,571.19	2,455.26	1,554.13	985.39
	488.06	344.50	192.18	196.13
	22.55	18.47	25.13	12.86
	13.53	11.08	15.08	7.71
	9.02	7.39	10.05	5.14
	38.25	37.46	24.37	28.26
	4.21	3.22	2.81	1.14
	7.38			
	2,154.18	2,877.38	1,823.76	1,236.63

1,236.63 1,823.76

2,877.38 2,154.18

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	2020-6-30	2019-12-31	2018-12-31	2017-12-31
	-	0.33	2.50	-
	194.22	93.49	382.39	36.15
	10.80	8.53	7.07	5.70
	32.17	27.04	343.14	30.45
	-	-	20.00	-
	151.25	57.92	12.18	-
	194.22	93.82	384.90	36.15

36.15 384.90 93.82

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	2020-6-30/ 2020 1-6	2019-12-31/ 2019	2018-12-31/ 2018	2017-12-31/ 2017
	6.46	7.14	4.94	4.57
	5.80	6.48	4.08	3.65
	13.24%	11.84%	16.51%	18.25%
	13.82%	12.74%	17.73%	18.70%
	9,630.19	24,869.20	16,451.69	9,081.92
	-625.06	1,286.27	292.48	34,411.25

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	2020 1-6	2.79	1.81	4.47	24.61	8.42	6.46
	2019	2.72	1.93	5.04	15.24	6.23	7.14
	2018	2.17	1.85	8.54	12.74	6.33	4.94
	2017	2.6	1.81	5.57	10.49	5.12	4.57
	2020 1-6	2.26	1.19	4.11	23.86	7.86	5.80
	2019	2.24	1.36	4.54	14.80	5.74	6.48
	2018	1.94	1.30	7.63	12.29	5.79	4.08

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	2020 1-6	2019	2018	2017
	1.14	3.04	3.18	3.23
	1.20	4.81	5.52	5.21
	3.05	6.16	6.34	8.11
	0.73	3.33	3.57	3.66
	1.53	4.34	4.65	5.05
	1.17	3.39	3.86	4.96

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	2020 1-6	2019	2018	2017
	1.08	3.67	5.15	5.35
	0.82	3.70	3.95	3.56
	1.62	2.64	2.73	3.56
	0.59	2.79	2.83	3.18
	1.03	3.20	3.67	3.91
	1.29	2.32	2.16	2.20

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	2020 1-6	2019	2018	2017
	3,442.29	15,775.87	8,318.45	3,062.34
	3,620.37	-23,068.68	-1,709.76	1,149.83
	-5,005.64	-1,025.95	1,242.30	-425.46

	2020 1-6	2019	2018	2017
	76.19	272.94	302.61	-158.26
	2,133.20	-8,045.82	8,153.60	3,628.44
	8,348.58	16,394.40	8,240.80	4,612.36
	10,481.78	8,348.58	16,394.40	8,240.80

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	2020 1-6	2019	2018	2017
	18,899.62	46,406.37	37,644.10	25,354.97
	89.35	572.02	342.69	517.69
	1,977.74	584.93	261.59	237.99
	20,966.71	47,563.32	38,248.38	26,110.65
	4,914.81	8,045.29	13,768.49	11,093.63
	6,330.96	11,025.96	8,682.48	6,511.83
	4,261.07	6,627.95	4,565.85	2,448.94
	2,017.58	6,088.25	2,913.11	2,993.91
	17,524.42	31,787.45	29,929.93	23,048.31
	3,442.29	15,775.87	8,318.45	3,062.34

3,062.34 8,318.45

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	2020 1-6	2019	2018	2017
	30,263.10	6,860.00	-	6,000.00
	196.46	59.91	-	86.49
	-	0.16	0.39	62.31
	30,459.56	6,920.06	0.39	6,148.80
	2,339.19	1,095.64	1,690.48	2,998.97
	24,500.00	28,893.10	19.66	2,000.00
	26,839.19	29,988.74	1,710.14	4,998.97
	3,620.37	-23,068.68	-1,709.76	1,149.83

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	2020	1-6	2019	2018	2017
		-	12,019.66	-	-
		-	270.00	1,294.51	-
		-	-	-	-
		-	12,289.66	1,294.51	-
		-	1,294.51	-	125.00
		5,005.64	12,021.10	52.22	300.46
		-	-	-	-
		5,005.64	13,315.61	52.22	425.46
		-5,005.64	-1,025.95	1,242.30	-425.46

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	2020 9 30	2019 12 31	
	80,690.10	64,583.46	24.94%
	11,242.02	8,229.88	36.60%
	69,448.08	56,353.58	23.24%

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	2020 1-9	2019 1-9	
	46,304.05	42,292.72	9.48%
	20,876.87	21,022.27	-0.69%
	20,921.81	21,019.49	-0.46%
	18,142.38	17,778.95	2.04%
	18,142.38	17,778.95	2.04%
	17,281.24	17,737.08	-2.57%
	846.96	16,677.76	-94.92%

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2020 1-9

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	2020 1-9	2019 1-9
	-0.89	-
	631.15	11.53
	336.34	40.50
	44.45	-2.78
	1,011.05	49.25
	149.90	7.38
	861.15	41.87
	861.15	41.87

2020

2020	58,500	63,500	11.51%
21.04%		22,200.00	24,780.00
7.53%	20.03%		
21,222.00	23,802.00	3.14%	15.68%
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		T+1	T+2		
1		14,152.11	31,807.72	45,959.83	77.15%
1.1		13,306.17	29,934.06	43,240.22	72.58%
1.1.1		-	24,738.08	24,738.08	41.53%
1.1.2		13,306.17	5,195.98	18,502.15	31.06%
1.2		433.74	947.22	1,380.97	2.32%
1.3		412.20	926.44	1,338.64	2.25%
2		-	13,613.29	13,613.29	22.85%
3		14,152.11	45,421.01	59,573.12	100.00%

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		T+1	T+2		
1		9,050.87	15,268.77	24,319.65	79.32%
1.1		8,414.80	14,211.08	22,625.88	73.80%
1.1.1		0.00	10,238.03	10,238.03	33.39%
1.1.2		8,414.80	3,973.05	12,387.85	40.40%
1.2		372.46	612.97	985.42	3.21%
1.3		263.62	444.72	708.34	2.31%
2		-	6,340.13	6,340.13	20.68%
3		9,050.87	21,608.90	30,659.78	100.00%

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		T+1	T+2		
1		7,341.36	7,837.69	15,179.05	79.41%
1.1		4,209.35	5,885.46	10,094.81	52.81%
1.1.1		3,761.27	5,547.15	9,308.43	48.70%
1.1.2		448.08	338.31	786.39	4.11%
1.2		2,686.56	1,587.11	4,273.67	22.36%

		T+1	T+2		
1.2.1		1,628.48	-	1,628.48	8.52%
1.2.2		1,058.07	1,587.11	2,645.18	13.84%
1.3		231.62	136.83	368.45	1.93%
1.4		213.83	228.28	442.11	2.31%
2		1,544.28	2,391.88	3,936.17	20.59%

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		T+1	T+2		
1		5,581.08	5,585.51	11,166.60	89.45%
1.1		2,340.47	3,334.35	5,674.82	45.46%
1.1.1		2,092.59	3,062.71	5,155.30	41.30%
1.1.2		247.88	271.64		

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		T+1	T+2		
1		2,694.30	1,980.57	4,674.87	85.78%
1.1		2,103.64	-	2,103.64	38.60%
1.2		-	1,841.96	1,841.96	33.80%
1.3		95.81	80.93	176.74	3.24%
1.4		416.38	-	416.38	7.64%
1.5		78.47	57.69	136.16	2.50%
2		207.04	567.99	775.03	14.22%
2.1		123.00	123.00	246.00	4.51%

		T+1	T+2		
2.2		80.40	423.18	503.58	9.24%
2.3		3.64	21.81	25.45	0.47%
3		2,901.34	2,548.56	5,449.90	100.00%

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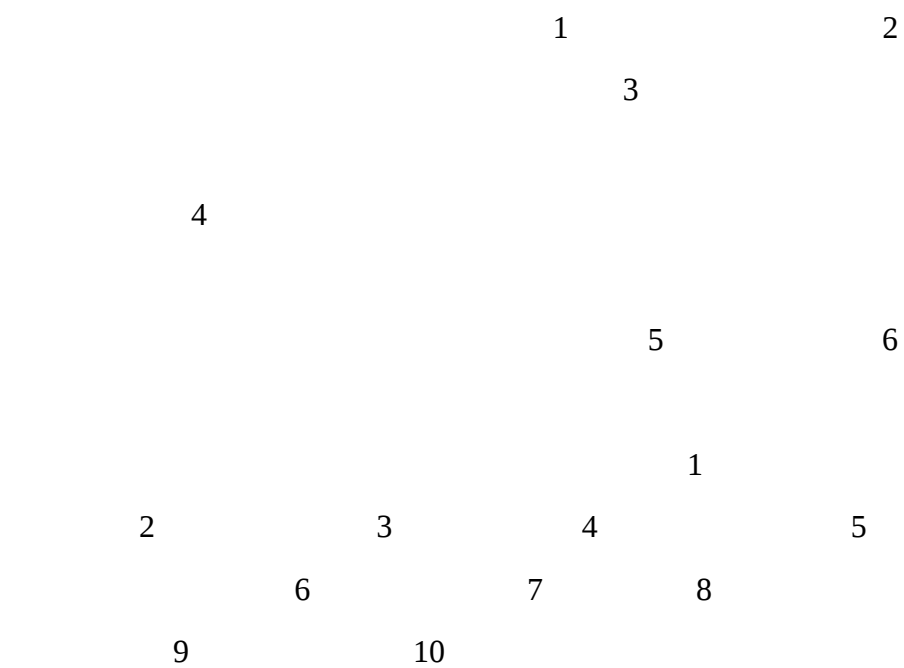
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info@optmv.com

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3		2020-5-11	775.00		
4		2020-4-21	817.50		
5		2019-3-13	2,106.00		
6		2019-3-12	2,106.00		
7		2019-1-24	697.44		
8	Apple Operations	2018-12-30	79.18		
9	Apple Operations	2018-10-10	73.49		
10	Apple Operations	2018-9-24	127.30		

11	Apple Operations	2018-9-11	288.25		
12	Apple Operations	2018-9-6	112.71		
13	Apple Operations	2018-7-30	173.55		
14	Apple Operations	2018-7-17	80.28		
15	Apple Operations	2018-7-9	104.70		
16	Apple Operations	2018-6-15	456.56		
17	Apple Operations	2018-6-15	184.62		
18	Apple Operations	2018-6-13	80.18		
19		2018-6-4	883.94		
20	Apple Operations	2018-6-1	184.27		
21	Apple Operations	2018-5-23	80.29		
22	Apple Operations	2018-5-18	93.26		
23	Apple Operations	2018-5-9	165.84		
24		2018-5-8	1,054.32		
25		2018-3-26 2018-3-20	563.83		
26	Apple Operations	2017-12-6	97.30		
27	Apple Operations	2017-11-1	375.30		
28	Apple Operations	2017-7-7	313.71		

29		2017-6-23	647.12		

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第十二节 有关声明

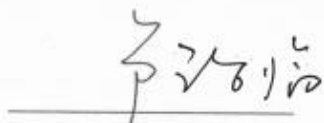
发行人全体董事、监事、高级管理人员的声明

本公司全体董事、监事、高级管理人员承诺本招股意向书不存在虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性、完整性承担个别和连带的法律责任。

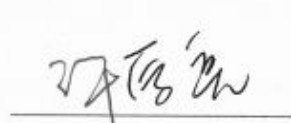
全体董事签名：



卢盛林



卢治临



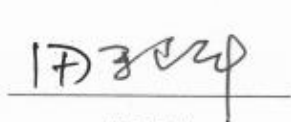
许学亮



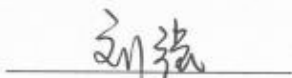
李茂波



柳新民

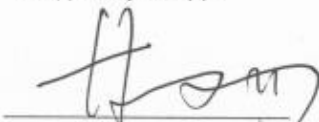


周雪峰



刘 强

全体监事签名：



范西西



肖元龙



郑杨舟

未担任董事的其他高级管理人员签名：



叶建平



广东奥普特科技股份有限公司

2022年12月14日

发行人控股股东、实际控制人声明

生承担个别和连带的法律责任。

实性、准确性、完整

控股股东、实际控制人、

卢治临

卢治临

卢盛林

卢盛林

股份有限公司

广东奥普特科技

2020年12月14日

保荐机构（主承销商）声明

本公司已对招股意向书进行了核查，确认不存在虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性、完整性承担相应的法律责任。

本人已认真阅读广东奥普特科技股份有限公司招股意向书的全部内容，确认招股意向书不存在虚假记载、误导性陈述或者重大遗漏，并对招股意向书真实性、准确性、完整性、及时性承担相应法律责任。

项目协办人： 叶政
叶政

保荐代表人： 张文 季青
张文 季青

总经理： 邓舸
邓舸

法定代表人： 何江



2021.12.23

发行人律师声明

本所及经办律师已阅读本招股意向书，确认招股意向书与本所出具的法律意见书无矛盾之处。本所及经办律师对发行人在招股意向书中引用的法律意见书的内容无异议，确认招股意向书不致因上述内容而出现虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性、完整性承担相应的法律责任。

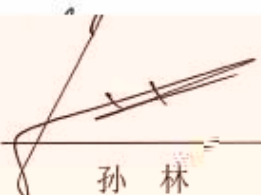
负责人



张利国



经办律师



孙林



殷长龙



余松竹

2020 年 12 月 14 日

审计机构声明

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签字注册会计师：

中国注册会计师

韩雁光

韩雁光

中国注册会计师

杨勇

杨勇

中国注册会计师

覃继伟

覃继伟

会计师事务所负责人：

邱靖之

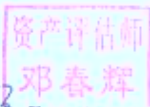
天职国际会计师事务所（特殊普通合伙）

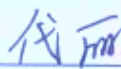


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签字注册资产评估师：



 邓春辉

 代丽

资产评估机构负责人：


 徐伟建

沃克森（北京）国际资产评估有限公司



二〇二〇年十二月十四日

验资机构声明

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签字注册会计师：

中国注册会计师

周先富

周先富

中国注册会计师

扶文忠

扶文忠

韩雁光

韩雁光

杨 勇

杨 勇

会计师事务所负责人：

邱清

大信会计师事务所（特殊普通合伙）

2020年7月26日

于

9:00—11:00

2:00—5:00

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