

招商银行全资附属机构 A Wholly Owned Subsidiary Of China Merchants Bank

# Hikvision (002415 CH)

## On the right track of recovery

Hikvision FY2Q22 results missed our/ consensus estimates on 1) COVID-19 resurgence in China, 2) lower GPM and 3) higher R&D. Key highlights include strong innovative/ overseas businesses growth (+26% YoY/ +19% YoY respectively) despite macro headwinds. We expect gradual recovery in FY2H22E with PBG/ EBG orders pick-up. We revised down our target price to RMB45.08 (prior RMB57.10) to reflect lower margin and higher R&D. Hikvision is trading at 2-SD below three-year mean and we think the share price has already priced in the heightened geopolitical risk. Maintain BUY.

- FY2Q22 weakness largely priced-in. Hikvision delivered a weak, yet largely anticipated, FY2Q22 results with revenue of RMB20.7bn (+4% YoY) and net profit of RMB3.5bn (-19% YoY). This is attributable to 1) COVID-19 resurgence in China, 2) lower GPM (-3.3 pts YoY to 42.7%) given more low-margin construction/ implementation work (GPM: 17.5% in FY1H22 vs. 29.0% in FY1H21) and 3) higher R&D of RMB2.6bn (+19% YoY, +26% QoQ).
- Expect gradual recovery in FY2H22E with continuous business transformations. Traditional surveillance business grew +6.8% YoY to RMB30.3bn in FY1H22, largely driven by strong overseas sales of RMB9.7bn (+19% YoY). Business in China was affected by lockdowns in Mar-May although Jun sales recovered slightly, according to management. We are positive on continuous business transformations including 1) innovative business segment delivered steady growth of +26% YoY to RMB7bn in FY1H22 despite macro headwinds and 2) overseas business growth momentum reflects Hikvision hardly-replicable advantages (i.e. technology, supply chain, sales network etc.) in global market.
- Preparing for heightened geopolitical risk with increasing R&D and high inventory strategy. Business recovery is still uneasy with rising geopolitical risk and COVID-19 uncertainties in China. Hikvision has maintained a high inventory strategy (+37% YoY) to minimize the impacts from supply chain disruption. Also, Hikvision R&D has reached a new level (RMB2.6bn in FY2Q22, +19% YoY). This will drive innovative business growth (smart home/robotics/ thermal etc.) and hence better revenue mix in the long term.
- Maintain BUY. We revised down FY22-24E net profit by 3-7% to reflect lower gross margin and higher R&D. Maintain BUY with new target price of RMB45.08 (prior RMB57.10). Key downside risk includes new U.S. sanction.

## **Earnings Summary**

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(YE 31 Dec)	FY20	FY21	FY22E	FY23E	FY24E
Revenue (RMB mn)	63,503	81,420	91,373	106,231	122,405
YoY growth (%)	10%	28%	12%	16%	15%
Net profit (RMB mn)	13,386	16,800	17,256	21,264	22,822
EPS (RMB)	1.43	1.80	1.83	2.25	2.42
YoY growth (%)	8%	26%	2%	23%	7%
Consensus EPS (RMB)	1.43	1.80	2.02	2.43	2.90
PE (x)	23.3	18.6	18.3	14.8	13.8
PB (x)	5.8	4.9	4.3	3.7	3.2
Dividend Yield (%)	0.02	0.02	0.03	0.03	0.03
ROE (%)	27%	29%	25%	27%	25%
Net debt to equity	net cash				

Source: Company data, Bloomberg, CMBIGM estimates

## **BUY (Maintain)**

Target Price RMB45.08 (Previous TP RMB57.10)
Up/Downside +34.9%
Current Price RMB33.41

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#### Stock Data

Mkt Cap (RMB mn)	315,164
Avg 3 mths t/o (RMB mn)	2,223.43
52w High/Low (RMB)	60.36/ 30.27
Total Issued Shares (mn)	9,433
Source: Bloomberg	

#### **Shareholding Structure**

CETC	36.8%
Kung Hong Ka - Chairman	10.2%

Source: Bloomberg

#### **Share Performance**

	Absolute	Relative
1-mth	1.3%	5.2%
3-mth	-5.9%	-10.8%
6-mth	-27.5%	-20.5%

Source: Bloomberg

## 12-mth Price Performance



Source: Bloomberg

### **Auditor: Deloitte**

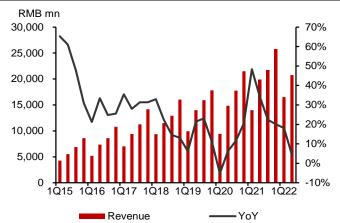
## **Related Reports**

- China Al– "Smart city bidding to pick up in 2H22" - 6 Jul 2022 (link)
- Hikvision (002415 CH) "Short term margin pain amid business transformation" – 17 Apr 2022 (link)



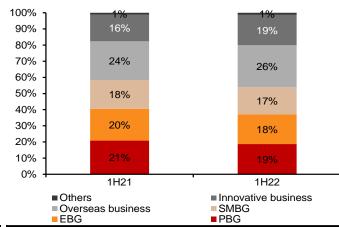
## **Focus Charts**

Figure 1: Quarterly revenue and YoY growth



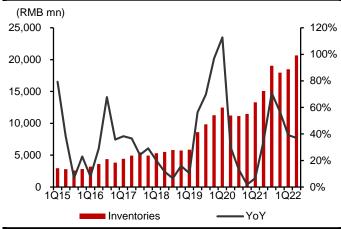
Source: Company data, CMBIGM estimates

Figure 2: Revenue breakdown



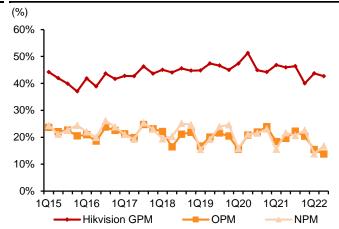
Source: Company data, CMBIGM estimates

Figure 3: Quarterly inventory and YoY growth



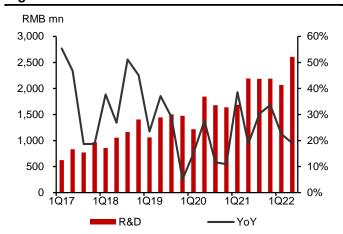
Source: Company data, CMBIGM estimates

Figure 4: Margin trend



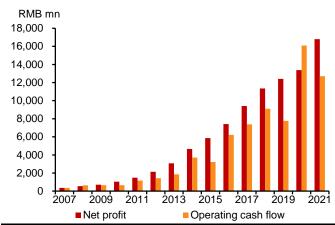
Source: Company data, CMBIGM estimates

Figure 5: R&D



Source: Company data

Figure 6: Net profit vs. operating cash flow



Source: Company data



## FY2Q22 results review

- Revenue was RMB20,736mn (+4% YoY, +26% QoQ), missing our estimate by 6% and consensus by 9%.
- Gross profit was RMB8,851mn (-3% YoY, +23% QoQ), missing our estimate by 12% and consensus by 13%.
- **Gross margin** was 42.7%, (-3.3 pct pts YoY, -1.0 pct pts QoQ), below our estimate by 2.7 pct pts and consensus by 2.1 pct pts.
- Operating profit was RMB2,855mn (-27% YoY, +12% QoQ), missing our estimate by 27%.
- Operating margin was 13.8% (-5.8 pct pts YoY, -1.7 pct pts QoQ), below our estimate by 4.0 pct pts.
- Net profit was RMB3,475mn (-19% YoY, +52% QoQ), below our estimate by 12% and consensus by 18%
- EPS was RMB0.37 (-20% YoY, +51% QoQ), below our estimate by 12% and consensus by 10%.

Figure 7: FY2Q22 results review

	Jun-21 2Q21	Mar-22 1Q22	Jun-22 2Q22			Jun-22 2Q22	versus	Jun-22 2Q22	versus
RMB mn	actual	actual	actual	YoY	QoQ	СМВІ	СМВІ	consensus	consensus
Revenue	19,914	16,522	20,736	4%	26%	22,093	-6%	22,776	-9%
Gross profit	9,148	7,224	8,851	-3%	23%	10,029	-12%	10,211	-13%
Gross margin	45.9%	43.7%	42.7%	-3.3 pct pts	-1 pct pts	45.4%	-2.7 pct pts	44.8%	-2.1 pct pts
Operating profit (adjusted)	3,899	2,548	2,855	-27%	12%	3,928	-27%	4,317	-34%
Operating margin (adjusted)	19.6%	15.4%	13.8%	-5.8 pct pts	-1.7 pct pts	17.8%	-4 pct pts	19.0%	-5.2 pct pts
Net non-op	474	318	1,046			479		844	
PBT	4,372	2,866	3,901	-11%	36%	4,407	-11%	5,161	-24%
Tax	48	-450	-178			-419		-928	
Minorities	-108	-132	-247			-51			
Net income	4,312	2,284	3,475	-19%	52%	3,937	-12%	4,233	-18%
EPS (RMB)	0.46	0.24	0.37	-20%	51%	0.42	-12%	0.41	-10%

Source: Company data, CMBIGM



## FY1H22 breakdown

- **Revenue** was RMB37,258mn (+9.9% YoY)
  - o <u>Core business:</u> RMB30,250 (+6.8% YoY)
    - **PBG**: RMB6,975mn (-1.4% YoY)
    - EBG: RMB6,831mn (+2.6% YoY)
    - SMBG: RMB6,286mn (+4.0% YoY)
      - Constructions: RMB884mn (+115.0% YoY)
    - Overseas: RMB9,686mn (+18.9% YoY)
  - o <u>Innovative business</u>: RMB7,008mn (+25.6% YoY)
    - Smart home: RMB1,960mn (+4.7% YoY)
    - Robotics: RMB1,766mn (+44.8% YoY)
    - Thermal imaging: RMB1,360mn (+32.2% YoY)
    - HikAuto: RMB824mn (+49.2% YoY)
    - Storage: RMB728mn (+7.1% YoY)
    - Others: RMB369mn (+63.5% YoY)
- Gross margin was 43.1%, (-3.2 pct pts YoY)
  - Core products and services: 44.6% (-2.9 pct pts YoY)
  - Constructions: 17.5% (-11.5 pct pts YoY)
  - o Innovative business: 40.2% (-1.4 pct pts YoY)



## **Earnings revision**

Figure 8: Hikvision earnings revision

	2022E				2023E		2024E			
RMB mn	New	Old	%Diff	New	Old	%Diff	New	Old	%Diff	
Sales	91,373	93,872	-3%	106,231	109,644	-3%	122,405	126,871	-4%	
Gross profit	39,914	41,724	-4%	47,074	49,008	-4%	54,368	57,140	-5%	
OP profit	17,347	19,363	-10%	21,789	23,325	-7%	25,307	27,684	-9%	
PBT	19,918	21,404	-7%	24,809	25,459	-3%	26,574	28,005	-5%	
Net profit	17,256	18,574	-7%	21,264	21,982	-3%	22,822	24,218	-6%	
EPS (RMB)	1.83	1.97	-7%	2.25	2.33	-3%	2.42	2.57	-6%	
Margins										
GM	43.7%	44.4%	-77 bps	44.3%	44.7%	-38 bps	44.4%	45.0%	-62 bps	
OPM	19.0%	20.6%	-164 bps	20.5%	21.3%	-76 bps	20.7%	21.8%	-115 bps	
PBT margin	21.8%	22.8%	-100 bps	23.4%	23.2%	13 bps	21.7%	22.1%	-36 bps	
Net margin	18.9%	19.8%	-90 bps	20.0%	20.0%	-3 bps	18.6%	19.1%	-44 bps	

Source: Company data, CMBIGM

Figure 9: Hikvision CMBI estimates vs. consensus

	2		2023E		2024E				
RMB mn	CMBI	Street	Diff	CMBI	Street	Diff	СМВІ	Street	Diff
Sales	91,373	95,311	-4%	106,231	113,468	-6%	122,405	135,054	-9%
Gross profit	39,914	42,230	-5%	47,074	50,370	-7%	54,368	60,143	-10%
OP Profit	17,347	21,791	-20%	21,789	25,058	-13%	25,307	29,925	-15%
PBT	19,918	21,583	-8%	24,809	25,848	-4%	26,574	30,828	-14%
Net profit	17,256	18,987	-9%	21,264	22,764	-7%	22,822	27,037	-16%
EPS	1.83	2.02	-10%	2.25	2.43	-7%	2.42	2.89	-16%
Margins									
GM	43.7%	44.3%	-62 bps	44.3%	44.4%	-8 bps	44.4%	44.5%	-12 bps
OPM	19.0%	22.9%	-388 bps	20.5%	22.1%	-157 bps	20.7%	22.2%	-148 bps
PBT margin	21.8%	22.6%	-85 bps	23.4%	22.8%	57 bps	21.7%	22.8%	-112 bps
Net margin	18.9%	19.9%	-104 bps	20.0%	20.1%	-4 bps	18.6%	20.0%	-137 bps

Source: Company data, CMBIGM, Bloomberg



# **Operating model**

Figure 10: Operating model

RMB mn	2020	2021	2022E	2023E	2024E
Revenues	63,503	81,420	91,373	106,231	122,405
Cost of sales	(33,958)	(45,329)	(51,459)	(59,157)	(68,037)
Gross Profit	29,546	36,091	39,914	47,074	54,368
Gross margin	46.5%	44.3%	43.7%	44.3%	44.4%
R&D	(6,379)	(8,252)	(9,983)	(11,072)	(12,942)
SG&A	(9,168)	(10,719)	(11,997)	(13,515)	(15,331)
Operating Income	13,583	16,559	17,347	21,789	25,307
Operating margin	21.4%	20.3%	19.0%	20.5%	20.7%
Non-Operating Income	1,690	1,909	2,571	3,020	1,266
Profit Before Tax	15,273	18,468	19,918	24,809	26,574
Income tax (expense) gain	(1,595)	(957)	(1,877)	(2,481)	(2,657)
Minorities	(293)	(710)	(785)	(1,064)	(1,095)
Net Income to Shareholders	13,386	16,800	17,256	21,264	22,822
Net margin	21.1%	20.6%	18.9%	20.0%	18.6%
EPS (RMB)	1.43	1.80	1.83	2.25	2.42
DPS (RMB)	0.70	0.80	0.90	0.92	1.14
Revenue breakdown					
Core camera solution	55,721	65,146	71,333	79,893	89,480
Construction	1,614	4,004	4,548	5,023	5,525
Innovative business	6,168	12,271	15,492	21,315	27,400
PBG	15,987	19,161			
EBG	14,724	16,629			
SMBG	9,209	13,490			
Domestic	45,807	59,435			
Export	17,697	21,985			
Gross margin breakdown					
Core camera solution	48.4%	46.4%	45.7%	46.0%	45.9%
Construction	16.2%	23.0%	19.2%	22.1%	20.6%
Innovative business	37.3%	40.5%	41.6%	43.1%	44.5%
Domestic	44.9%	44.5%			
Export	50.7%	44.0%			
Growth YoY					
Revenues	10%	28%	12%	16%	15%
Gross profit	11%	22%	11%	18%	15%
Operating Income	18%	22%	5%	26%	16%
EPS	8%	26%	2%	23%	7%

Source: Company data, CMBIGM



Figure 11: Quarterly operating model

RMB mn	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22E	4Q22E
Revenues	13,988	19,914	21,727	25,791	16,522	20,736	24,282	29,834
Gross profit	6,549	9,148	10,078	10,316	7,224	8,851	10,686	13,154
Operating profit	2,569	3,899	4,826	5,266	2,548	2,855	4,863	7,081
Net profit (loss)	2,169	4,312	4,484	5,835	2,284	3,475	4,780	6,711
EPS (RMB)	0.23	0.46	0.48	0.62	0.24	0.37	0.51	0.71
<u>Margins</u>								
Gross margin	46.8%	45.9%	46.4%	40.0%	43.7%	42.7%	44.0%	44.1%
Operating margin	18.4%	19.6%	22.2%	20.4%	15.4%	13.8%	20.0%	23.7%
Net margin	15.5%	21.7%	20.6%	22.6%	13.8%	16.8%	19.7%	22.5%
Growth (QoQ)								
Revenues	-35%	42%	9%	19%	-36%	26%	17%	23%
Gross Profit	-31%	40%	10%	2%	-30%	23%	21%	23%
Operating profit	-50%	52%	24%	9%	-52%	12%	70%	46%
Net profit (loss)	-56%	99%	4%	30%	-61%	52%	38%	40%
Growth (YoY)								
Revenues	48%	34%	22%	20%	18%	4%	12%	16%
Gross profit	47%	20%	26%	9%	10%	-3%	6%	28%
Operating profit	74%	26%	24%	3%	-1%	-27%	1%	34%
Net profit (loss)	45%	38%	18%	18%	5%	-20%	6%	14%

Source: Company data, CMBIGM



## **Valuation**

## **Hikvision (002415 CH, BUY, TP RMB45.08)**

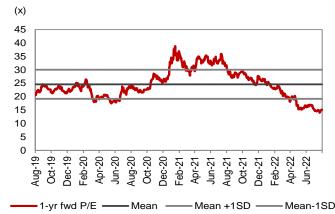
We revised down our target price to RMB45.08 (prior RMB57.10), based on lowered 20x FY23E P/E, 1-SD below its 3-year mean. We think current valuation over-reacted to potential U.S. sanctions. Hikvision's continuous R&D and business diversification should drive re-rating.

Figure 12: Peers' valuation

			Mkt Cap	Price	TP	P/E	EV/sales	RC	DE	Sales CAGR	<b>EPS CAGR</b>
Company	Ticker	Rating	(US\$ mn)	(LC)	(LC)	FY23E	FY23E	FY22E	FY23E	FY21-24E	FY21-24E
Hikvision	002415 CH	BUY	46,801	33.41	45.08	14.8	3.1	25.2	26.7	15%	11%
Dahua	002236 CH	HOLD	6,951	15.25	17.06	9.2	1.3	15.9	16.7	15%	23%
SenseTime	20 HK	BUY	9,579	2.24	4.50	N/A	7.3	-3.8	-4.3	30%	n.a.
Alnnovation	2121 HK	NR	1,329	18.62	N/A	N/A	5.0	-26.8	-20.4	62%	n.a.
Cambricon Tech	688256 CH	NR	4,027	67.65	N/A	N/A	24.6	-17.6	-15.0	45%	n.a.
Arcsoft	688088 CH	NR	1,959	32.50	N/A	52.6	16.2	6.3	9.1	29%	37%
					Mean	25.2	9.6	0.0	2.2	33%	3%
					Median	13.8	6.2	1.2	2.4	29%	13%

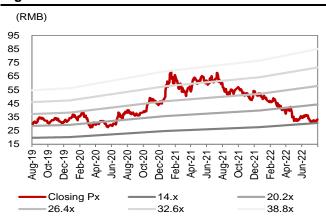
Source: Bloomberg, CMBIGM

Figure 13: Hikvision 12M forward P/E chart



1-yr fwd P/E — Me Source: Bloomberg, CMBIGM

Figure 14: Hikvision 12M forward P/E band



Source: Bloomberg, CMBIGM



## **Financial Summary**

Income statement						Cash flow summary					
YE 31 Dec (RMB mn) Revenue	FY20 63,503	FY21 81,420	FY22E 91,373	FY23E 106,231		YE 31 Dec (RMB mn) Net profit	FY20 13,386		FY22E 17,251	-	
Cost of sales	(33,958)	(45,329)	(51,459)	(59,157)	(68,037)	Depreciation/amortization	845	892	1,378	1,601	1,80
Gross profit	29,546	36,091			54,368			(7,081)	(4,303)		
·	·	•	,	•	•	Others	1,260	2,097	167	1,064	1,09
Selling exp	(7,378)	(8,586)	(9,502)	(10,671)	(12,020)	Net cash from operating	,	,	14,493		,
Admin exp	(1,790)	(2,132)	(2,495)	, ,	(3,311)	3	-,	,	,	,	,-
R&D exp	(6,379)	(8,252)	, ,		(12,942)	Capex	(2.004)	(3.098)	(3,271)	(3.292)	(3.233
Other operating exp.	(416)	(561)	(587)	(698)	(787)	Other	(551)	(58)	130	0	(0,200
Operating profit	13,583	16,559	17,347	, ,	` ,	Net cash from investing			(3,141)	_	
Finance costs	(396)	133	835	1,290	1,380	Net borrowings	2.049	(1,842)	1.057	(1,467)	517
Other non-oper exp.	2,086	1,776	1,736	1,730	(114)	Dividend paid		, ,	(8,490)	` '	
Pre-tax profit	15,273	18,468	19,918	24,809	26,574	•	(189)	(791)	, ,	(1,064)	•
TO tax prom	10,270	10,400	10,010	24,000	20,014	Net cash from financing	(4,681)	, ,	(4,366)	, ,	
Income tax expense	(1,595)	(957)	(1,877)	(2,481)	(2,657)	not caon nom manonig	( 1,00 1)	(10,10	( .,000,	( ,	(11,01
Minority interests	(293)	(710)	(785)	(1,064)	(1,095)	Net change in cash	8,852	(556)	6 986	21,762	8,092
Net profit to S/H	13,386	16,800	17,256	21,264	,	Cash (beginning of the year)		` '	34,722	,	,
itot pront to o/m	13,300	10,000	11,230	£ 1,204	22,022	Exchange difference	(464)	(182)	73	41,761	03,342
						Cash (end of the year)	, ,	' '	41,781	_	
Balance sheet	E\/00	E)/0/	E)/00E	E)/00E	E)(0.4E	Key ratios	E)/00	E)/0/	E)/00E	E)/00E	E)/0.4E
YE 31 Dec (RMB mn)	FY20	FY21	FY22E	FY23E	FY24E	YE 31 Dec	FY20	FY21	FY22E	FY23E	FY24E
Current assets	74,763	-				Revenue mix		000/	700/	750/	700
Cash & equivalents	35,460	34,722	-	63,542		Core camera solution	88%	80%	78%	75%	73%
Account receivables	24,098	28,563		39,410	45,438		3%	5%	5%	5%	5%
Inventory	11,478	17,974	18,268	21,392	-	Innovative business	10%	15%	17%	20%	22%
Other current assets	3,727	4,760	4,842	5,852	6,642	Onesisth (0/)					
Non assument access	40.000	47.045	00 007	00.040	00.445	Growth (%)	400/	000/	400/	400/	450
Non-current assets	13,939	17,845	20,327	22,018	23,445	Revenue	10%	28%	12%	16%	15%
PPE	7,301	9,019	11,241	12,932			18%	22%	5%	26%	16%
Intangible assets	1,634	1,665	1,897	1,897	1,897	•	8%	26%	3%	23%	7%
Other non-current assets	5,003	7,162	7,190	7,190	7,190	EPS	8%	26%	2%	23%	7%
Total assets	88,702	103,865	120,571	152,214	172,971						
						Margin (%)					
Current liabilities	31,225	33,292	•	56,457		Gross margin	46.5%	44.3%	43.7%	44.3%	44.4%
ST borrowings	7,507	4,672	5,286	4,425		Operating margin	21.4%	20.3%		20.5%	-
Account payables	14,631	17,230	18,710	36,916	42,736	Net profit margin	21.1%	20.6%	18.9%	20.0%	18.6%
Accrued expense	6,173	7,888	8,613	9,750	-						
Other current liabilities	2,914	3,502	4,147	5,366	5,663	Balance sheet ratio					
						Current ratio (x)	2.39	2.58	2.73	2.31	2.30
Non-current liabilities	2,997	5,178	7,935	7,328	7,534	Receivable turnover days	136	118	128	128	127
LT borrowings	1,961	3,284	3,658	3,051	3,257	Inventory turnover days	65	66	72	68	70
Other non-current liabilities	1,036	1,894	4,277	4,277	4,277	Payable turnover days	157	139	133	127	127
	34,222	38,470	44,690	63,786	72,466	Net debt to equity	net cash	net cash	net cash	net cash	net casl
Total liabilities				9,433	9 433	Profitability (%)					
	9,343	9,336	9,433	3,433	0, 100						04.00
Share capital	9,343 5,179	9,336 5,404	9,433 8,843	8,843	8,843	ROE	27.1%	28.7%	25.2%	26.7%	24.8%
Share capital Capital surplus		,	8,843	8,843	8,843				25.2% 35.8%		
Share capital Capital surplus Retained earnings	5,179	5,404	8,843 58,582	8,843	8,843 83,205						
Share capital Capital surplus Retained earnings Other reserves	5,179 40,479	5,404 49,821	8,843 58,582	8,843 71,129	8,843 83,205 (3,354)						
Share capital Capital surplus Retained earnings Other reserves Minority interest	5,179 40,479 (1,207)	5,404 49,821 (1,100) <b>1,934</b>	8,843 58,582 (3,354) <b>2,376</b>	8,843 71,129 (3,354) <b>2,376</b>	8,843 83,205 (3,354) <b>2,376</b>	ROIC					58.6%
Total liabilities  Share capital Capital surplus Retained earnings Other reserves Minority interest Total equity Total liabilities and	5,179 40,479 (1,207) <b>685</b> <b>53,794</b>	5,404 49,821 (1,100) <b>1,934</b> <b>63,461</b>	8,843 58,582 (3,354) <b>2,376</b> <b>73,505</b>	8,843 71,129 (3,354) <b>2,376</b> <b>86,052</b>	8,843 83,205 (3,354) <b>2,376</b> <b>98,128</b>	ROIC  Per share data (RMB)	42.7%	44.9%	35.8%	46.8%	

Source: Company data, CMBIGM estimates



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