

2019. 10. 31

# Company <u>Update</u>

#### Minha Choi

Analyst minha22.choi@samsung.com 822 2020 7798

#### Kwak Hoin

Research Associate hoin.kwak@samsung.com 822 2020 7763

### AT A GLANCE

SELL	HOLD	BUY
Target price	KRW88,000	(32.5%)
Current price	KRW66,400	
Market cap	KRW1.9t/USD	1.6b
Shares (float)	28,095,260 (25	5.3%)
52-week high/low	KRW114,100/k	KRW54,000
Avg daily trading value (60-day)	KRW6.2b/ USD5.2m	

#### **ONE-YEAR PERFORMANCE**

	1M	6M	12M
Studio Dragon (%)	-5.4	-26.5	-33.9
Vs Kosdaq (%pts)	-7.0	-12.1	-24.6

## **KEY CHANGES**

(KRW)	New	Old	Diff
Recommend.	BUY	BUY	
Target price	88,000	88,000	0.0%
2019E EPS	1,249	1,103	13.2%
2020E EPS	2,210	1,813	21.9%

#### **SAMSUNG vs THE STREET**

No of estimates	20
Target price	89,800
Recommendation	4.0

BUY\*\*\*: 5/BUY: 4/HOLD: 3/SELL: 2/SELL\*\*\*: 1

# Studio Dragon (253450)

# Fundamentals to improve in 2020

- The business environment in Korea and overseas is moving favorably for the media industry—eg, OTT platforms are launching around the world, a number of Korean players are engaging in M&A activity, and terrestrial broadcasters are investing more heavily in tent-pole content. These developments should lead to more demand for quality content, which bodes well for content producers in 2020.
- Studio Dragon should enjoy greater earnings stability by producing multi-season original content for OTT services. It may produce content for both Netflix and new global players. Terrestrial broadcasters are also eager to secure quality content.
- Capitalizing on its popular intellectual property and production prowess, the firm
  has been expanding into new business areas and should see solid top- and
  bottom-line growth next year. We raise our 12-month target price to KRW88,000.

#### WHAT'S THE STORY?

**Poised to benefit from sea change in media market:** The business environment has been changing quickly at home and abroad. Several global giants are preparing to launch OTT platforms from November, and, in response, Korean OTT service providers are teaming up to boost their competitiveness. Struggling from low viewership ratings, the country's three terrestrial broadcasters have altered programming lineups and in September launched OTT platform Wavve in partnership with SK Telecom—the latter a move that may lead to greater investment in tent-pole dramas. Shifts in the market landscape bode well for Studio Dragon, Korea's leading drama production company.

**Producing multi-season original content is positive for earnings stability:** Content is ever more important in the media market. Armed with ample production abilities and production prowess, Studio Dragon should produce more original content and enjoy earnings growth next year. *Love Alarm*, its first original program for Netflix, aired in August, and its second piece of content, *I Am Alone*, should be released at yearend or in early 2020. Producing multiple seasons of these dramas would help improve the stability of its earnings. Studio Dragon may produce more original content for the US streaming giant, and could produce content for other global players that are considering entering the Korean market. It should see its earnings ratchet up to a higher level, backed by a rising number of dramas produced, greater per-drama investment, and improving

(Continued on the next page)

#### **SUMMARY FINANCIAL DATA**

margins.

	2018	2019E	2020E	2021E
Revenue (KRWb)	380	487	597	663
Operating profit (KRWb)	40	45	71	86
Net profit (adj) (KRWb)	36	35	62	75
EPS (adj) (KRW)	1,278	1,249	2,210	2,664
EPS (adj) growth (% y-y)	21.7	(2.3)	77.0	20.6
EBITDA margin (%)	30.3	26.9	29.3	30.2
ROE (%)	9.3	8.4	13.3	14.0
P/E (adj) (x)	52.0	53.2	30.0	24.9
P/B (x)	4.6	4.3	3.7	3.3
EV/EBITDA(x)	14.9	12.7	9.3	7.8
Dividend yield (%)	0.0	0.0	0.0	0.0

Source: Company data, Samsung Securities estimates

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To wield more bargaining power over terrestrial broadcasters: Studio Dragon has been providing dramas to terrestrial broadcasters in accordance with its strategy of platform diversification. It supplied *Doctor John* and *One Spring Night* this year, and next year it should provide The King (written by star writer Kim Eunsook; to air in 1H20). Faced with slumping viewership ratings, terrestrial broadcasters have turned more aggressive than ever to secure quality tent-pole dramas. This should give Studio Dragon more bargaining power and result in stronger earnings momentum.

Expanding business areas based on popular IP, production capabilities: Studio Dragon recently bought a 20% stake in film production company Movie Rock. These days, the lines between film and drama production are blurring, and popular dramas are being made into films. A good case in point is The Bad Guys: Reign of Chaos, which was made from a Studio Dragon drama of the same name, which aired on OCN in 2014. This industry trend is positive in terms of intellectual property (IP) usage and business area expansion.

Earnings to pick up next year: Favorable developments in the business environment should reinforce the bargaining power of content producers and augment their fundamentals. Earnings should keep growing thanks to the production of more dramas, larger investments per drama, and multi-season production. Shares in Studio Dragon have been quite volatile this year due to: 1) poor performances from tent-pole dramas in their early days; and 2) depreciation costs. But earnings should improve next year on greater use of IP and platform diversification. As we change our valuation basis from 2019 to 2020 EBITDA, we revise up our target price from KRW83,000 to KRW88,000 (based on 15.8x 2020 EV/EBITDA).

Table 1, 3Q preview

(KRWb)	3Q18	2Q19	3Q19E	Chg (% q-q)	Chg (% y-y)	Consensus	Difference (%)
Sales	123.7	128.2	129.6	1.1	4.8	108.0	20.0
Operating profit	21.5	10.8	10.9	1.3	(49.1)	10.3	6.5
Operating margin (%, %pts)	17.4	8.4	8.4	0.0	(8.9)	9.5	(1.1)
Pre-tax profit	22.1	11.9	12.1	1.5	(45.4)	12.9	(6.4)
Net profit (controlling)	17.3	7.3	8.0	9.7	(53.6)	9.0	(10.4)

Source: Company data, WiseFn, Samsung Securities estimates

Table 2, Studio Dragon: financial results and forecast

1Q17														
IQII	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19E	4Q19E	2018	2019E	2020E
75.3	62.1	77.5	71.9	79.9	74.3	123.7	101.7	111.8	128.2	129.6	117.7	379.6	487.4	596.8
26.3	24.1	41.8	39.0	40.7	34.1	48.9	54.4	44.1	58.1	56.4	62.1	178.1	220.6	271.3
36.5	26.3	23.3	25.7	32.1	28.8	63.4	37.8	56.2	60.3	61.7	44.6	162.1	222.7	279.3
12.5	11.6	12.4	7.2	7.1	11.4	11.4	9.5	11.5	9.8	11.6	11.0	39.4	44.0	46.2
16.8	12.2	10.7	7.4	13.6	10.6	24.8	6.5	15.0	15.4	15.5	17.7	55.6	63.6	92.2
2.8	3.3	4.0	4.0	3.0	3.3	3.3	6.0	4.0	4.6	4.6	5.8	15.7	19.0	20.8
14.0	8.9	6.6	3.5	10.7	7.3	21.5	0.4	11.0	10.8	10.9	11.9	39.9	44.6	71.4
13.2	9.0	6.4	1.7	10.8	11.0	22.1	1.7	13.2	11.9	12.1	13.0	45.7	50.2	78.9
13.4	2.8	5.7	2.0	7.9	8.9	17.3	1.7	9.2	7.3	8.0	10.6	35.8	35.1	62.1
22.2	19.6	13.9	10.4	17.1	14.3	20.1	6.4	13.4	12.0	12.0	15.0	14.6	13.0	15.4
18.5	14.3	8.6	4.8	13.3	9.9	17.4	0.4	9.9	8.4	8.4	10.1	10.5	9.2	12.0
17.8	4.5	7.3	2.8	9.8	12.0	14.0	1.7	8.2	5.7	6.2	9.0	9.4	7.2	10.4
-	-	-	-	6.0	19.6	59.7	41.5	40.0	72.6	4.8	15.7	32.4	28.4	22.4
-	-	-	-	54.5	41.1	17.1	39.5	8.4	70.5	15.3	14.2	35.7	23.9	23.0
-	-	-	-	(12.0)	9.5	172.0	46.9	75.1	109.2	(2.7)	18.0	44.9	37.4	25.4
-	-	-	-	(43.4)	(1.9)	(8.3)	33.1	63.1	(14.1)	1.5	15.7	(9.8)	11.5	5.1
-	-	-	-	(18.6)	(12.8)	131.0	(12.9)	9.9	45.1	(37.4)	172.2	17.9	14.5	45.0
-	-	-	-	7.3	0.2	(16.6)	51.9	33.1	40.2	38.2	(4.7)	11.5	21.1	9.7
-	-	-	-	(23.7)	(17.6)	223.0	(87.3)	3.5	47.3	(49.1)	2,603.3	21.0	11.9	59.9
				(18.2)	23.0	247.7	1.9	22.2	7.6	(45.4)	657.7	51.0	9.9	57.1
				(41.3)	217.4	206.3	(12.6)	17.2	(17.4)	(53.6)	504.9	50.3	(1.9)	76.7
				(23.2)	(27.1)	44.7	(38.5)	(21.5)	(16.0)	(40.2)	135.2	(10.9)	(10.9)	18.4
				(28.1)	(31.1)	102.3	(91.0)	(26.1)	(14.7)	(51.4)	2,235.9	(8.6)	(12.9)	30.6
				(44.6)	165.3	91.9	(38.3)	(16.3)	(52.2)	(55.7)	422.7	13.5	(23.6)	44.3
	26.3 36.5 12.5 16.8 2.8 14.0 13.2 13.4 22.2 18.5 17.8	26.3 24.1 36.5 26.3 12.5 11.6 16.8 12.2 2.8 3.3 14.0 8.9 13.2 9.0 13.4 2.8 22.2 19.6 18.5 14.3 17.8 4.5	26.3 24.1 41.8 36.5 26.3 23.3 12.5 11.6 12.4 16.8 12.2 10.7 2.8 3.3 4.0 14.0 8.9 6.6 13.2 9.0 6.4 13.4 2.8 5.7 22.2 19.6 13.9 18.5 14.3 8.6 17.8 4.5 7.3	26.3     24.1     41.8     39.0       36.5     26.3     23.3     25.7       12.5     11.6     12.4     7.2       16.8     12.2     10.7     7.4       2.8     3.3     4.0     4.0       14.0     8.9     6.6     3.5       13.2     9.0     6.4     1.7       13.4     2.8     5.7     2.0       22.2     19.6     13.9     10.4       18.5     14.3     8.6     4.8       17.8     4.5     7.3     2.8	26.3         24.1         41.8         39.0         40.7           36.5         26.3         23.3         25.7         32.1           12.5         11.6         12.4         7.2         7.1           16.8         12.2         10.7         7.4         13.6           2.8         3.3         4.0         4.0         3.0           14.0         8.9         6.6         3.5         10.7           13.2         9.0         6.4         1.7         10.8           13.4         2.8         5.7         2.0         7.9           22.2         19.6         13.9         10.4         17.1           18.5         14.3         8.6         4.8         13.3           17.8         4.5         7.3         2.8         9.8    6.0  - 54.5  54.5  - (12.0)  - (43.4)  (18.6)  - 7.3  - (23.7)  (18.2)  (41.3)	26.3         24.1         41.8         39.0         40.7         34.1           36.5         26.3         23.3         25.7         32.1         28.8           12.5         11.6         12.4         7.2         7.1         11.4           16.8         12.2         10.7         7.4         13.6         10.6           2.8         3.3         4.0         4.0         3.0         3.3           14.0         8.9         6.6         3.5         10.7         7.3           13.2         9.0         6.4         1.7         10.8         11.0           13.4         2.8         5.7         2.0         7.9         8.9           22.2         19.6         13.9         10.4         17.1         14.3           18.5         14.3         8.6         4.8         13.3         9.9           17.8         4.5         7.3         2.8         9.8         12.0           -         -         -         6.0         19.6           -         -         -         54.5         41.1           -         -         -         6.0         19.6           -         -	26.3         24.1         41.8         39.0         40.7         34.1         48.9           36.5         26.3         23.3         25.7         32.1         28.8         63.4           12.5         11.6         12.4         7.2         7.1         11.4         11.4           16.8         12.2         10.7         7.4         13.6         10.6         24.8           2.8         3.3         4.0         4.0         3.0         3.3         3.3           14.0         8.9         6.6         3.5         10.7         7.3         21.5           13.2         9.0         6.4         1.7         10.8         11.0         22.1           13.4         2.8         5.7         2.0         7.9         8.9         17.3           22.2         19.6         13.9         10.4         17.1         14.3         20.1           18.5         14.3         8.6         4.8         13.3         9.9         17.4           17.8         4.5         7.3         2.8         9.8         12.0         14.0           -         -         -         6.0         19.6         59.7           -	26.3         24.1         41.8         39.0         40.7         34.1         48.9         54.4           36.5         26.3         23.3         25.7         32.1         28.8         63.4         37.8           12.5         11.6         12.4         7.2         7.1         11.4         11.4         9.5           16.8         12.2         10.7         7.4         13.6         10.6         24.8         6.5           2.8         3.3         4.0         4.0         3.0         3.3         3.3         6.0           14.0         8.9         6.6         3.5         10.7         7.3         21.5         0.4           13.2         9.0         6.4         1.7         10.8         11.0         22.1         1.7           13.4         2.8         5.7         2.0         7.9         8.9         17.3         1.7           22.2         19.6         13.9         10.4         17.1         14.3         20.1         6.4           18.5         14.3         8.6         4.8         13.3         9.9         17.4         0.4           17.8         4.5         7.3         2.8         9.8	26.3         24.1         41.8         39.0         40.7         34.1         48.9         54.4         44.1           36.5         26.3         23.3         25.7         32.1         28.8         63.4         37.8         56.2           12.5         11.6         12.4         7.2         7.1         11.4         11.4         9.5         11.5           16.8         12.2         10.7         7.4         13.6         10.6         24.8         6.5         15.0           2.8         3.3         4.0         4.0         3.0         3.3         3.3         6.0         4.0           14.0         8.9         6.6         3.5         10.7         7.3         21.5         0.4         11.0           13.2         9.0         6.4         1.7         10.8         11.0         22.1         1.7         13.2           13.4         2.8         5.7         2.0         7.9         8.9         17.3         1.7         9.2           22.2         19.6         13.9         10.4         17.1         14.3         20.1         6.4         13.4           18.5         14.3         8.6         4.8         13.3	26.3         24.1         41.8         39.0         40.7         34.1         48.9         54.4         44.1         58.1           36.5         26.3         23.3         25.7         32.1         28.8         63.4         37.8         56.2         60.3           12.5         11.6         12.4         7.2         7.1         11.4         11.4         9.5         11.5         9.8           16.8         12.2         10.7         7.4         13.6         10.6         24.8         6.5         15.0         15.4           2.8         3.3         4.0         4.0         3.0         3.3         3.3         6.0         4.0         4.6           14.0         8.9         6.6         3.5         10.7         7.3         21.5         0.4         11.0         10.8           13.2         9.0         6.4         1.7         10.8         11.0         22.1         1.7         13.2         11.9           13.4         2.8         5.7         2.0         7.9         8.9         17.3         1.7         9.2         7.3           22.2         19.6         13.9         10.4         17.1         14.3         20.1	26.3         24.1         41.8         39.0         40.7         34.1         48.9         54.4         44.1         58.1         56.2           36.5         26.3         23.3         25.7         32.1         28.8         63.4         37.8         56.2         60.3         61.7           12.5         11.6         12.4         7.2         7.1         11.4         11.4         9.5         11.5         9.8         11.6           16.8         12.2         10.7         7.4         13.6         10.6         24.8         6.5         15.0         15.4         15.5           2.8         3.3         4.0         4.0         3.0         3.3         3.3         6.0         4.0         4.6         4.6           14.0         8.9         6.6         3.5         10.7         7.3         21.5         0.4         11.0         10.8         10.9           13.2         9.0         6.4         1.7         10.8         11.0         22.1         1.7         13.2         11.9         12.1           13.4         2.8         5.7         2.0         7.9         8.9         17.3         1.7         9.2         7.3         8.0	26.3         24.1         41.8         39.0         40.7         34.1         48.9         54.4         44.1         58.1         56.4         62.1           36.5         26.3         23.3         25.7         32.1         28.8         63.4         37.8         56.2         60.3         61.7         44.6           12.5         11.6         12.4         7.2         7.1         11.4         11.4         9.5         11.5         9.8         11.6         11.0           16.8         12.2         10.7         7.4         13.6         10.6         24.8         6.5         15.0         15.4         15.5         17.7           2.8         3.3         4.0         4.0         3.0         3.3         3.3         6.0         4.0         4.6         4.6         5.8           14.0         8.9         6.6         3.5         10.7         7.3         21.5         0.4         11.0         10.8         10.9         11.9           13.2         9.0         6.4         1.7         10.8         11.0         22.1         1.7         13.2         11.9         12.1         13.0           13.4         2.8         5.7         2.0 </td <td>26.3         24.1         41.8         39.0         40.7         34.1         48.9         54.4         44.1         58.1         56.4         62.1         178.1           36.5         26.3         23.3         25.7         32.1         28.8         63.4         37.8         56.2         60.3         61.7         44.6         162.1           12.5         11.6         12.4         7.2         7.1         11.4         11.4         9.5         11.5         9.8         11.6         11.0         39.4           16.8         12.2         10.7         7.4         13.6         10.6         24.8         6.5         15.0         15.4         15.5         17.7         55.6           2.8         3.3         4.0         4.0         3.0         3.3         3.3         6.0         4.0         4.6         4.6         5.8         15.7           14.0         8.9         6.6         3.5         10.7         7.3         21.5         0.4         11.0         10.8         10.9         11.9         39.9           13.2         9.0         6.4         1.7         10.8         11.7         13.2         11.9         12.1         13.0</td> <td>263         24.1         41.8         39.0         40.7         34.1         48.9         54.4         44.1         58.1         56.4         62.1         178.1         220.2           365         26.3         23.3         25.7         32.1         28.8         63.4         37.8         56.2         60.3         61.7         44.6         162.1         222.7           12.5         11.6         12.4         7.2         7.1         11.4         11.4         9.5         11.5         9.8         11.6         11.0         39.4         44.0           16.8         12.2         10.7         7.4         13.6         10.6         24.8         6.5         15.0         15.4         15.5         17.7         55.6         63.6           2.8         3.3         4.0         4.0         3.0         3.3         3.3         6.0         4.0         4.6         4.6         5.8         15.7         19.0           14.0         8.9         16.7         7.3         21.5         0.4         11.0         10.8         10.9         11.9         39.9         44.6           13.2         19.0         6.6         1.7         10.3         11.7</td>	26.3         24.1         41.8         39.0         40.7         34.1         48.9         54.4         44.1         58.1         56.4         62.1         178.1           36.5         26.3         23.3         25.7         32.1         28.8         63.4         37.8         56.2         60.3         61.7         44.6         162.1           12.5         11.6         12.4         7.2         7.1         11.4         11.4         9.5         11.5         9.8         11.6         11.0         39.4           16.8         12.2         10.7         7.4         13.6         10.6         24.8         6.5         15.0         15.4         15.5         17.7         55.6           2.8         3.3         4.0         4.0         3.0         3.3         3.3         6.0         4.0         4.6         4.6         5.8         15.7           14.0         8.9         6.6         3.5         10.7         7.3         21.5         0.4         11.0         10.8         10.9         11.9         39.9           13.2         9.0         6.4         1.7         10.8         11.7         13.2         11.9         12.1         13.0	263         24.1         41.8         39.0         40.7         34.1         48.9         54.4         44.1         58.1         56.4         62.1         178.1         220.2           365         26.3         23.3         25.7         32.1         28.8         63.4         37.8         56.2         60.3         61.7         44.6         162.1         222.7           12.5         11.6         12.4         7.2         7.1         11.4         11.4         9.5         11.5         9.8         11.6         11.0         39.4         44.0           16.8         12.2         10.7         7.4         13.6         10.6         24.8         6.5         15.0         15.4         15.5         17.7         55.6         63.6           2.8         3.3         4.0         4.0         3.0         3.3         3.3         6.0         4.0         4.6         4.6         5.8         15.7         19.0           14.0         8.9         16.7         7.3         21.5         0.4         11.0         10.8         10.9         11.9         39.9         44.6           13.2         19.0         6.6         1.7         10.3         11.7

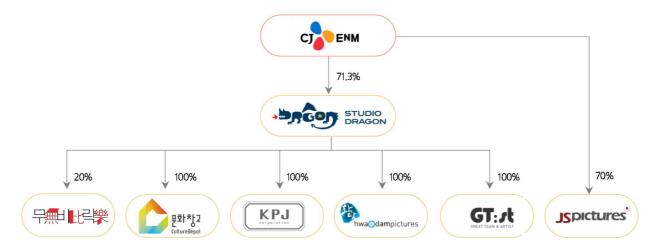
Source: Company data, Samsung Securities estimates

Table 3. 2H19-2020 drama line-up

H o Mon, Tue Sat, Sun  eong- Sat,Si  Mon, Tue Gun, Sat, Sun  ong, Wed, Thu Mon, Tue h, Yoon Sat, Sun , Park youn o Ji-hye o Ji-hye n, Ko Fri n, Song Hee  e-rok, Wed, Thu Jun, Sat,
Sun eong- Bat,Si n-bin n-bin Tue Gun, Sat, Sun ong, Wed, Thu Mon, Tue h, Yoon Sat, Sun year, Ved, Thu Sat, Sun year, Fri n, Song I Hee Be-rok, Wed, Thu
n-bin Mon, Tue Gun, Sat, Sun ong, Wed, Thu Mon, Tue h, Yoon Sat, Sun year, A Sun year, Thu
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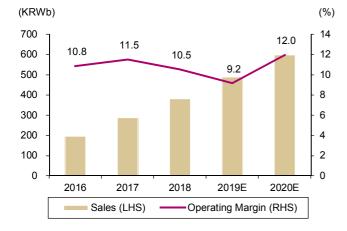
Source: Company data, Samsung Securities

Chart 1. Studio Dragon structure



Source: Company data, Samsung Securities

Chart 2. Sales and operating margin



Source: Company data, Samsung Securities

Chart 3. Netflix originals



Source: Company image, Samsung Securities

## Income statement

Year-end Dec 31 (KRWb)	2017	2018	2019E	2020E	2021E
Sales	287	380	487	597	663
Cost of goods sold	240	324	424	505	554
Gross profit	47	56	64	92	109
Gross margin (%)	16.4	14.6	13.0	15.4	16.4
SG&A expenses	14	16	19	21	23
Operating profit	33	40	45	71	86
Operating margin (%)	11.5	10.5	9.2	12.0	13.0
Non-operating gains (losses)	(3)	6	5	8	9
Financial profit	1	7	11	12	13
Financial costs	3	1	5	4	3
Equity-method gains (losses)	0	0	0	0	0
Other	(0)	(0)	(0)	(0)	(0)
Pre-tax profit	30	46	50	79	95
Taxes	6	10	15	17	20
Effective tax rate (%)	21.2	21.5	30.0	21.3	21.3
Profit from continuing operations	24	36	35	62	75
Profit from discontinued operations	0	0	0	0	0
Net profit	24	36	35	62	75
Net margin (%)	8.3	9.4	7.2	10.4	11.3
Net profit (controlling interests)	24	36	35	62	75
Net profit (non-controlling interests)	0	0	0	0	0
EBITDA	74	115	131	175	200
EBITDA margin (%)	25.9	30.3	26.9	29.3	30.2
EPS (parent-based) (KRW)	1,050	1,278	1,249	2,210	2,664
EPS (consolidated) (KRW)	1,050	1,278	1,249	2,210	2,664
Adjusted EPS (KRW)*	1,050	1,278	1,249	2,210	2,664

## **Cash flow statement**

Year-end Dec 31 (KRWb)	2017	2018	2019E	2020E	2021E
Cash flow from operations	(7)	(29)	123	165	188
Net profit	24	36	35	62	75
Non-cash profit and expenses	46	74	95	116	129
Depreciation	0	0	0	0	0
Amortization	41	75	86	104	114
Other	5	(1)	8	12	15
Changes in A/L from operating activities	(73)	(139)	8	4	4
Cash flow from investments	(141)	141	(124)	(133)	(144)
Change in tangible assets	(0)	(0)	0	0	0
Change in financial assets	(143)	139	(47)	(8)	(15)
Other	2	2	(77)	(125)	(129)
Cash flow from financing	188	(10)	(0)	(0)	(1)
Change in debt	(18)	(8)	0	0	(1)
Change in equity	208	1	0	0	0
Dividends	0	0	0	0	0
Other	(2)	(2)	(0)	(0)	(0)
Change in cash	40	102	(0)	32	43
Cash at beginning of year	12	51	153	153	185
Cash at end of year	51	153	153	185	228
Gross cash flow	70	110	130	178	204
Free cash flow	(7)	(29)	123	165	188

Note: \* Excluding one off items, \*\* Fully diluted, excluding one-off items \*\*\* From companies subject to equity-method valuation

Source: Company data, Samsung Securities estimates

## **Balance sheet**

Year-end Dec 31 (KRWb)	2017	2018	2019E	2020E	2021E
Current assets	290	247	315	382	454
Cash & equivalents	51	153	153	185	228
Accounts receivable	55	69	73	99	104
Inventories	1	1	1	1	1
Other current assets	182	25	88	97	120
Fixed assets	170	265	262	289	310
Investment assets	4	4	4	5	6
Tangible assets	1	1	1	1	0
Intangible assets	128	199	212	234	251
Other long-term assets	37	62	45	50	52
Total assets	459	512	577	671	763
Current liabilities	91	108	138	170	188
Accounts payable	6	20	18	26	27
Short-term debt	0	0	0	0	0
Other current liabilities	85	89	120	143	161
Long-term liabilities	0	3	3	3	2
Bonds & long-term debt	0	0	0	0	0
Other long-term liabilities	0	3	3	3	2
Total liabilities	91	111	141	173	190
Owners of parent equity	368	401	436	498	573
Capital stock	14	14	14	14	14
Capital surplus	320	320	320	320	320
Retained earnings	32	68	103	165	240
Other	3	(0)	(0)	(0)	(0)
Non-controlling interests' equity	0	0	0	0	0
Total equity	368	401	436	498	573
Net debt	(183)	(153)	(199)	(239)	(297)

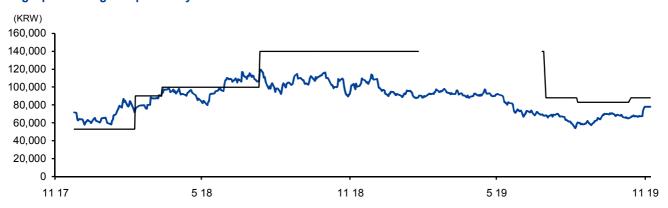
## Financial ratios

2017	2018	2019E	2020E	2021E
85.7	32.4	28.4	22.4	11.0
98.3	21.0	11.9	59.9	20.5
192.9	50.3	(2.2)	77.1	20.6
84.5	21.7	(2.3)	77.0	20.6
1,050	1,278	1,249	2,210	2,664
1,050	1,278	1,249	2,210	2,664
1,050	1,278	1,249	2,210	2,664
13,141	14,305	15,531	17,741	20,405
0	0	0	0	0
63.2	52.0	53.2	30.0	24.9
5.1	4.6	4.3	3.7	3.3
22.7	14.9	12.7	9.3	7.8
9.5	9.3	8.4	13.3	14.0
6.8	7.4	6.4	9.9	10.4
15.6	15.0	15.7	23.4	26.2
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
(49.5)	(38.2)	(45.7)	(47.9)	(51.8)
19.0	343.0	1,092.6	1,747.3	2,807.2
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### Target price changes in past two years



#### Rating changes over past two years (adjusted share prices)

Date	2017/11/23	2018/2/8	3/13	7/12	2019/7/1	8/9	10/14
Recommendation	BUY	BUY	BUY	BUY	BUY	BUY	BUY
Target price (KRW)	53,000	90,000	100,000	140,000	88,000	83,000	88,000
Gap* (average)	29.29	(7.62)	(1.06)	(27.09)	(26.53)	(21.77)	
(max or min)**	64.15	1.11	17.10	(14.43)	(20.00)	(14.46)	

Note: \* [(average, maximum, or minimum share price over duration of target price minus target price) / target price] x 100%

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Company		Industry	
BUY	Expected to increase in value by 10% or more within 12 months and	OVERWEIGHT	Expected to outperform market by 5% or more within 12 months
	is highly attractive within sector	NEUTRAL	Expected to outperform/underperform market by less than
HOLD	Expected to increase/decrease in value by less than 10% within 12 months		5% within 12 months
SELL	Expected to decrease in value by 10% or more within 12 months	UNDERWEIGHT	Expected to underperform market by 5% or more within 12 months

#### Percentage of ratings in 12 months prior to Sep 30, 2019

BUY (76.6%) | HOLD (23.4%) | SELL (0%)

<sup>\*</sup> Maximum/minimum share price if new target is higher/lower than market close on the business day prior to target price change

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## Studio Dragon

2019. 10. 31

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