

Baidu.com

Baidu announced official response to media reports on ERNIE Bot

Reiterate Rating: BUY | PO: 200.00 USD | Price: 103.67 USD

News alleging military testing of Baidu's ERNIE Bot

Baidu stock dropped by 12% on Monday in HK due to market concern over alleged military testing of Baidu's ERNIE Bot. According to South China Morning Post, a research lab with the People's Liberation Army's Strategic Support Force published a paper in December 2023 in the Chinese academic journal, Command Control & Simulation, and this paper mentioned the lab tested commercial large language models (LLM) including Baidu ERNIE and iFlyTek's Spark.

Baidu states no business collaboration or tailored service

On Monday, Baidu announced the following official clarifications: "ERNIE Bot is available to and used by the general public. The academic paper, published by scholars at a Chinese university, described how the authors built prompts and received responses from LLMs, using the functions available to any user interacting with generative Al tools. Baidu has not engaged in any business collaboration or provided any tailored service to authors of the academic paper or any institutions with which they are affiliated. The South China Morning Post, the first media outlet that reported on this academic paper, has clarified and corrected their original media report. The Company is committed to operating its Al related products and businesses in compliance with applicable laws and regulations and best corporate practices." According to our check, South China Morning Post changed the wording from "has forged a physical link between its Al system and Baidu's ERNIE" to "has tested its Al system on Baidu's ERNIE". We see near-term risks and volatilities due to Al and chip news headlines. Reiterate Buy rating on long term Al upside.

16 January 2024

Equity

Miranda Zhuang, CFA >> Research Analyst Merrill Lynch (Hong Kong) miranda.zhuang@bofa.com

Stock Data

Price (ADR / Common) 103.67 USD / 100.70 Price Objective 200.00 USD / 196.00 HKD Date Established 18-Oct-2023 / 18-Oct-2023 Investment Opinion C-1-9/C-1-952-Week Range 103.32 USD-160.88 USD Market Value (mn) 35,857 USD Shares Outstanding (mn) 345.9 / 2,767.0 Average Daily Value (mn) 270.18 USD Free Float 100.0% BofA Ticker / Exchange BIDU / NAS BofA Ticker / Exchange BAIDF / HKG Bloomberg / Reuters BIDU US / BIDU.OQ ROF (2023F) 11.1% Net Dbt to Eqty (Dec-2022A) 12.9%

LLM: Large language model

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Objective Basis/Risk on page 2.

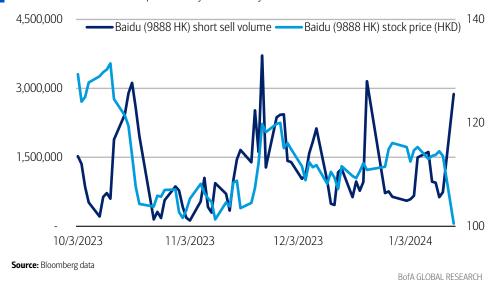
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Exhibit 1: Short sell volume trend of Baidu stock in HK market

Short sell volume more than tripled Monday vs. last Friday



Price objective basis & risk

Baidu.com (BIDU / BAIDF)

Our PO is US\$200 (HK\$196): 1) US\$189 from a DCF valuation of the existing operation which also absorbs the costs of loss-making businesses, based on a discount rate of 10%, FCF CAGR of 18% in 23-29E, and a terminal growth rate of 5%, current net cash per share of USD47, 2) US\$11 from its investments, primarily comprised of Trip.com and iQIYI.

Downside risks are: 1) Major operating or regulation events, 2) Government intervention in business or ownership, 3) Macroeconomic, 4) Competition from new online media, 5) Margin and capex risk on spending for AI, 6) geopolitical risks impacting access to tech equipment and microprocessors and investment by foreign investors, 7) AI technology usage risk, may impact stock listing or investors ability to own, 8) more stringent regulation on AI, 9) more intensified competition on AI.

Upside risks are: 1) better than expected macro recovery, 2) better development progress in Al, 3) application of Al in company's businesses to lift competitiveness and monetization, 4) monetization of Al in its cloud business.

Analyst Certification

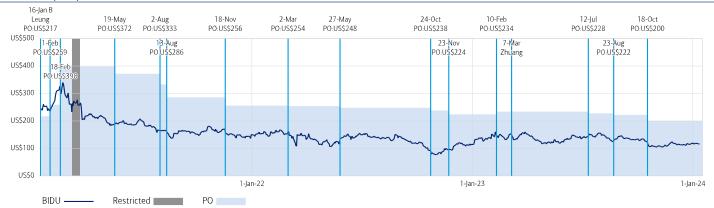
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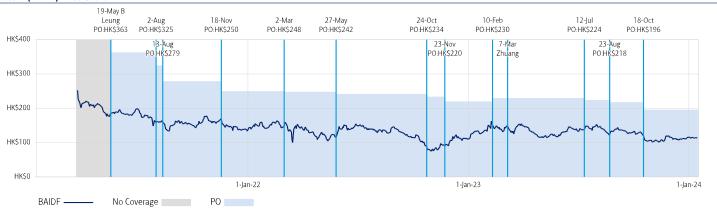
Baidu.com-ADR (BIDU) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

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Baidu.com (BAIDF) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

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Equity Investment Rating Distribution: Technology Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	215	53.09%	Buy	111	51.63%
Hold	97	23.95%	Hold	45	46.39%
Sell	93	22.96%	Sell	24	25.81%

Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

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Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster^{R2}

Buy $\geq 10\%$ $\leq 70\%$ Neutral $\geq 0\%$ $\leq 30\%$ Underperform N/A $\geq 20\%$

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