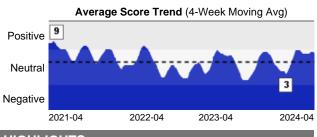
LSEG Stock Reports Plus

Banking & Investment Svcs. /	,	g & Svcs. / Inv. M	gmt & Fund Ope	erators	DE		STOCK REPORT
Last Close 751.58 (USD)	Avg Daily Vol 692,268	52-Week High 845.00	Trailing PE 19.1	Annual Div 20.40	ROE 14.3%	LTG Fore 12.6%	ecast 1-Mo Return -9.1%
2024 May 01 NEW YORK Exchange	Market Cap 113.5B	52-Week Low 596.18	Forward PE 17.9	Dividend Yield 2.7%	Annual Rev 19.1B	Inst Own 88.3%	3-Mo Return -4.2%
AVERAGE SCORE					-	-	
NEUTRAL OUTLOOK: BLK's	current score is						Score Averages
relatively in-line with the marke	et.	Ο		ent Banking & Svcs & Investment Svcs	•	l	Mega Market Cap: 7.0 S&P 500 Index: 6.7
Average Scor	re Trend (4-Week	Moving Avg)	Peers	-6M -	3M -1M	-1W Cur	rent 1Y Trend
Positive 9			APO	5	4 9	9 9	
	•						



						core Averages
Investment Ba Banking & Inve	0		•		0	Market Cap: 7.0 9 500 Index: 6.7
Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
APO	5	4	9	9	9	
BK	7	8	10	10	9	
UBS	6	6	8	8	8	
BLK	6	7	6	6	6	
BN	6	5	9	6	6	
I/B/E/S MEAN	J					

HIGHLIGHTS

The score for BlackRock Inc last changed from 7 to 6 on 2024-04-21.

PRICE AND VOLUME CHARTS

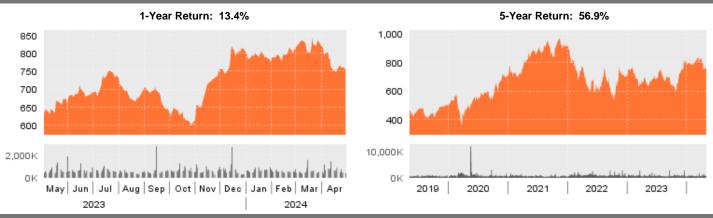
The recent change in the Average Score was primarily due to a decline in the Earnings component score.



Buy 16 Analysts

Mean recommendation from all analysts covering the company on a standardized 5-point scale.

Strong Sell	Sell	Hold	Buy	Strong Buy



BUSINESS SUMMARY

BlackRock, Inc. is an investment management company. The Company provides a range of investment management and technology services to institutional and retail clients. Its diverse platform of alpha-seeking active, index and cash management investment strategies across asset classes enables the Company to tailor investment outcomes and asset allocation solutions for clients. The Company's product offerings include single- and multi-asset portfolios investing in equities, fixed income, alternatives, and money market instruments. Its products are offered directly and through intermediaries in a range of vehicles, including open-end and closed-end mutual funds, iShares and exchange-traded funds (ETFs), separate accounts, collective investment funds and other pooled investment vehicles. The Company also offers technology services, including the investment and risk management technology platform, Aladdin, Aladdin Wealth, eFront, and Cachematrix, as well as advisory services and solutions.



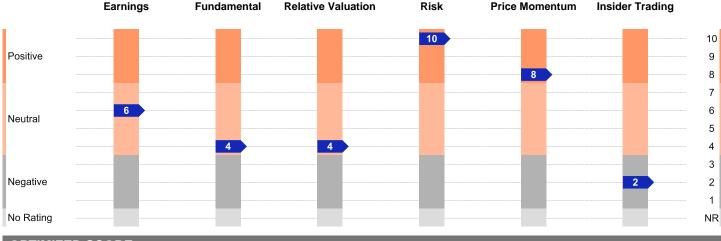
Banking & Investment Svcs. / Investment Banking & Svcs. / Inv. Mgmt & Fund Operators

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DETAILED STOCK REPORT Report Date: 2024-May-02

INDICATOR COMPONENTS

AVERAGE SCORE The **AVERAGE SCORE** combines the quantitative analysis of six widely-used investment decision making tools: Earnings, Fundamental, Relative Valuation, Risk, Price Momentum and Insider Trading. A simple average of the underlying component ratings is normally distributed to rank stocks on a 1-10 scale (10 being awarded to the most favorable). These factors may be evaluated differently using alternative methodologies and the importance of individual factors varies across industries, market capitalization and investment styles. Additional criteria should always be used to evaluate a stock.



OPTIMIZED SCORE



Historically, companies with an Optimized Score of 5 have tended to perform in-line with the market over the following 12-month period.

ETUS analytics

As an alternative approach to equally weighting each of the six factors, independent research firm, Verus Analytics, conducted a backtest to empirically determine an optimal factor blend. Results and weighting vary across four different market capitalization categories. For large/mid cap stocks, Fundamental and Earnings historically provided the most explanatory power among the factors and are weighted heavily in the Optimized Score. Among the small/micro cap universe, Insider Trading joined Fundamental and Earnings as the most significant factors to explain returns.

PEER ANALYSIS

VALUATION FUNDAMENTAL ANALYSTS PRICE MOMENTUM LTG I/B/E/S 1-Mo 3-Mo 1-Yr Trailing PE Price Market Dividend Net # of Average Forward (2024-05-01) Margin Ticker Return Return Return PE Forecast Mean Score Cap Yield Analysts BLK 751.58 -9.1% 13.4% 113.5B 19.1 17.9 2.7% 30.9% 12.6% Buy UBS -14.1% 8 26.19 -11.3% 30.7% 94.8B 29 27.0 2.8% 46.4% -- Buv 2 ΒN 40.97 -0.53% 4.5% 27.3% 67.3B 13.5 12.0 0.78% 1.2% -- Buy 10 6 APO 9 107.77 -4.2% 7.2% 63.8B 13.9 1.6% 14.7% 17 69.1% 12.8 16.1% Buy -0.88% 1.7% 34.0% 42.9B 10.2 3.0% 9 ΒK 56.46 13.8 9.2% 9.7% Buy 18 AMP 40.8B 8 413.44 -4.9% 7.1% 36.6% 14.1 11.6 1.4% 18.9% -- Buy 14 TROW 110.30 -8.3% 0.39% -0.91% 25.5B 14.2 12.8 4.5% 28.3% -- Hold 13 -5.4% 22.1B 6 STT 73.11 -0.19% 2.2% 137 9.1 3.8% 9.6% 6.6% Hold 17 18.6B PFG 79.85 -7.2% 2.7% 7.9% 15.2 10.2 3.6% 4.2% 11.8% Hold 14 NTRS 83.05 -6.1% 4.7% 7.8% 17.1B 18.3 12.2 3.6% 7.5% 11.7% Hold 16 BAM 38.19 -8.9% -5.2% 14.2% 16.4B 25.8 4.0% 117.8% 17.4% Hold 13 6 33.8 7.6 47.5B 14.8 Average 161.90 -6.3% 0.68% 22.0% 15.6 2.9% 26.3% 12.3% Hold 13.6

PEER COMPANIES

AMP	Ameriprise Financial Inc	NTRS	Northern Trust Corp	
APO	Apollo Global Management Inc	PFG	Principal Financial Group Inc	
BAM	BROOKFIELD ASSET MANAGEMENT	STT	State Street Corp	
BK	Bank of New York Mellon Corp	TROW	T Rowe Price Group Inc	
BN	Brookfield Corp	UBS	UBS Group	

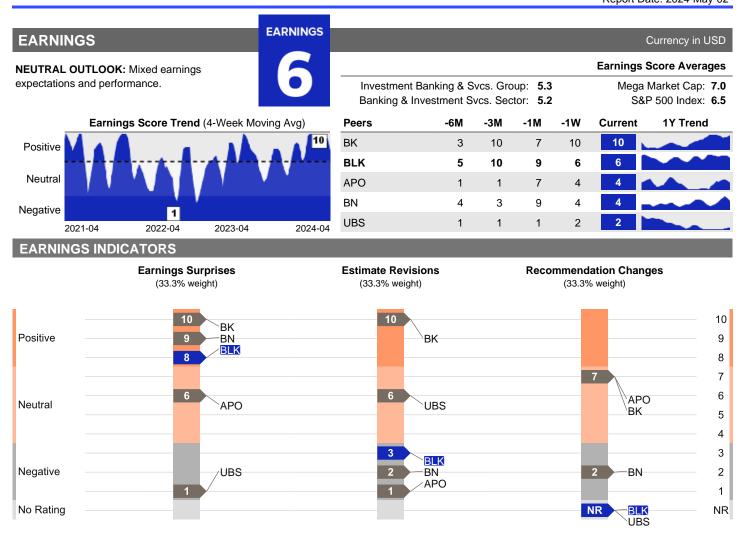


Currency in USD

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Last 4 Quarters		Last 4 Weeks		Last 120 Days	
# Positive Surprises (>2%)	4	# Up Revisions	4	# Broker Upgrades	0
# Negative Surprises (<-2%)	0	# Down Revisions	7	# Broker Downgrades	0
# In-Line Surprises (within 2%)	0	Avg Up Revisions	25.0%		
Avg Surprise	14.0%	Avg Down Revisions	-43.8%		

HIGHLIGHTS

- BlackRock Inc currently has a relatively neutral Earnings Rating of 6. The average Earnings Rating for its Inv Mgmt & Fund Operators industry is 5.2 and the S&P 500 index average is 6.5.
- On 2024-04-12, the company announced quarterly earnings of 9.81 per share, a positive surprise of 5.0% above the consensus 9.35. Over the past 4 quarters, the company has reported 4 positive, 0 negative, and 0 in-line surprises. The average surprise for this time period has been 14.0%.
- BLK's current quarter consensus estimate has remained relatively unchanged over the past 90 days at 9.92. Estimates within its industry have moved an average of 0.0% during the same time period.

PRICE TARGET

The chart indicates where analysts predict the stock price will be within the next 12 months, as compared to the current price.





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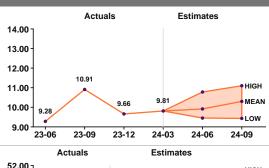
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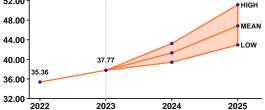
DETAILED STOCK REPORT Report Date: 2024-May-02

EARNINGS PER SHARE

Earnings per share (EPS) is calculated by dividing a company's earnings by the number of shares outstanding. Analysts tend to interpret a pattern of increasing earnings as a sign of strength and flat or falling earnings as a sign of weakness.

The charts provide a comparison between a company's actual and estimated EPS, including the high and low forecasts.





 Quarterly
 24-06
 24-09

 Mean
 9.915
 10.300

 High
 10.780
 11.100

 Low
 9.450
 9.430

 # of Analysts
 10
 10

Annual	2024	2025
Mean	41.320	46.840
High	43.250	51.150
Low	39.410	42.950
# of Analysts	12	13

10

MEAN ESTIMATE TREND

	Q 24-06	Q 24-09	Y 2024	Y 2025	Price Target
Current	9.915	10.300	41.320	46.840	932.00
30 Days Ago	9.712	10.150	40.240	45.740	920.00
90 Days Ago	9.680	10.110	40.030	45.530	915.00
% Change (90 Days)	2.4%	1.9%	3.2%	2.9%	1.9%

Current Fiscal Year End: 24-12

Next Expected Report Date: 2024-07-12

EARNINGS SURPRISES

Comparing a company's actual earnings to the mean expectation of analysts results in a difference referred to as a 'positive' or 'negative' surprise. Research has shown that when a company reports a surprise, it is often followed by more of the same surprise type.

Surprise Summary (Last 12 Quarters)

Surprise Type	Amount	Percent
Positive Quarters (> 2%)	11	91.7%
Negative Quarters (< -2%)	1	8.3%
In-Line Quarters (within 2%)	0	

Surprise Detail (Last 6 Periods)

4

ANALYST RECOMMENDATIONS

2

I/B/E/S Mean: Buy (16 Analysts)

Strong Buy

Buy

Hold

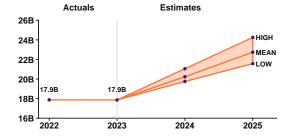
Strong Sell 0

Sell 0

e						
0	Surprise Type	Announce Date	Period End Date	Actual EPS	Mean EPS	Surprise (%)
	Positive	2024-04-12	2024-03-31	9.810	9.345	5.0%
	Positive	2024-01-12	2023-12-31	9.660	8.836	9.3%
	Positive	2023-10-13	2023-09-30	10.910	8.257	32.1%
	Positive	2023-07-14	2023-06-30	9.280	8.464	9.6%
	Positive	2023-04-14	2023-03-31	7.930	7.757	2.2%
	Positive	2023-01-13	2022-12-31	8.930	8.112	10.1%

ANNUAL REVENUE

A pattern of increasing sales in conjunction with a rising EPS may influence a buy recommendation, while flat or falling sales and faltering earnings may explain a sell recommendation. A rising EPS with flat or falling sales may result from increased cost efficiency and margins, rather than market expansion. This chart shows the sales forecast trend of all analysts and the highest and lowest projections for the current and next fiscal year.



	2024	2025
Mean	20.2B	22.7B
High	21.1B	24.3B
Low	19.8B	21.6B
Forecasted Growth	13.3%	27.3%
# of Analysts	9	9



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BLACKROCK INC (BLK-N)

Banking & Investment Svcs. / Investment Banking & Svcs. / Inv. Mgmt & Fund Operators

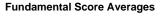
DETAILED STOCK REPORT Report Date: 2024-May-02

FUNDAMENTAL



NEUTRAL OUTLOOK: Fundamentals relatively in-line with the market.



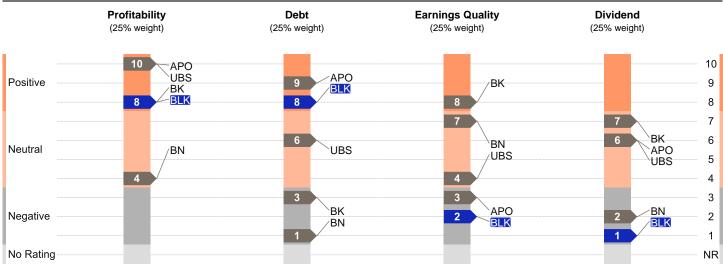


Mega Market Cap: 6.2 S&P 500 Index: 6.0

	Fundamental Score Trend			
Positive	7 6 6 6 6 6			
Neutral Negative	5 5 6 6 6 6 6 4 2 3 3 4 4			
	Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 2021 2022 2023 Q4 Q1			

Peers	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Current 3Y Trend
APO	8	8	3	NR	9
BK	3	3	2	NR	8
UBS	4	4	6	NR	8
BLK	6	6	4	NR	4
BN	NR	NR	NR	NR	2

FUNDAMENTAL INDICATORS



Revenue Growth	8.8%	Current Ratio		Oper. Cash Yield	-29.6%	Dividend Growth	2.3%
For year over year ending 2024-03		For interim period ending		For latest 12 months ending		For year over year ending 2024-03	
Gross Margin	81.0%	Debt-to-Capital	16.1%	Accruals	6.1%	Dividend Payout	54.8%
For latest 12 months ending 2023-12		For annual period ending 2023-12		For latest 12 months ending 2023-12		For latest 12 months ending 2023-12	
Return On Equity	14.3%	Interest Funding	6.5%	Days Sales In Inv.		Dividend Coverage	1.5
For interim period ending 2023-12		For interim period ending 2023-12		For annual period ending		For annual period ending 2023-12	
Net Margin	30.9%	Interest Coverage	25.5	Days Sales In Rec.		Current Div. Yield	2.7%
For latest 12 months ending 2024-03		For interim period ending 2023-12		For annual period ending		For latest 12 months ending 2024-05	

HIGHLIGHTS

- BlackRock Inc currently has a Fundamental Rating of 4. The average Fundamental Rating for its Inv. Mgmt & Fund Operators industry is 5.9 and the S&P 500 index average is 6.0.
- The company's net margin has been higher than its industry average for each of the past five years.
- The company's interest coverage has been higher than its industry average for each of the past five years.

- The company's operating cash yield has been lower than its industry average for each of the past five years.

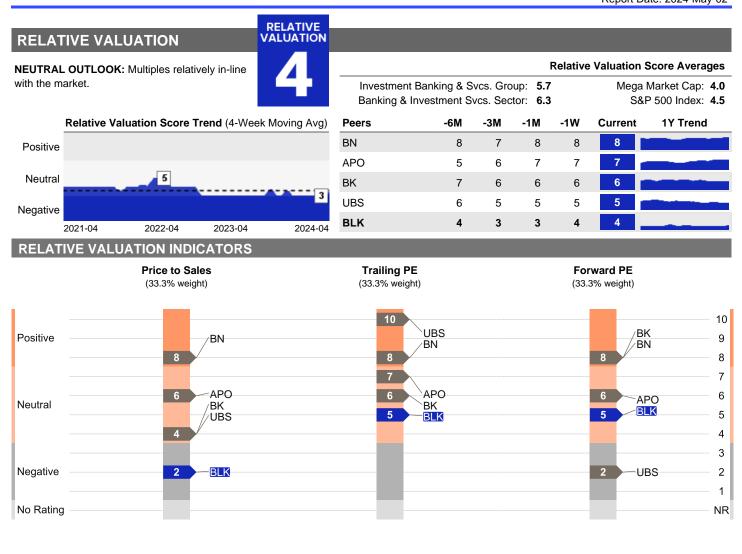
 Of the 81 firms within the Inv. Mgmt & Fund Operators industry, BlackRock Inc is among 63 companies that pay a dividend. The stock's dividend yield is currently 2.7%.



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Price to Sales	6.1	Trailing PE	19.1	Forward PE	17.9
5-Yr Average	6.0	5-Yr Average	20.3	5-Yr Average	19.1
Rel. to 5-Yr Avg.	3% Premium	Rel. to 5-Yr Avg.	6% Discount	Rel. to 5-Yr Avg.	6% Discount
S&P 500 Index	2.6	S&P 500 Index	26.5	S&P 500 Index	20.6
Rel. to S&P 500	>100% Premium	Rel. to S&P 500	28% Discount	Rel. to S&P 500	13% Discount

HIGHLIGHTS

- BlackRock Inc currently has a Relative Valuation Rating of 4 while the S&P 500 index has an average rating of 4.5.

BLK's Trailing P/E of 19.1 represents a 6% Discount to its 5-year average of 20.3.
 BLK's Forward P/E of 17.9 represents a 6% Discount to its 5-year

 Compared to the Inv Mgmt & Fund Operators industry, BLK is currently trading at a significant premium based on Trailing P/E, Forward P/E, and Forward PEG.

- BLK's 1.4 Forward PEG is currently at the low end of its 5-year range (lowest 1.3 to highest 5.0).
- BLK's Forward P/E of 17.9 represents a 6% Discount to its 5-year average of 19.1.



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BLACKROCK INC (BLK-N)

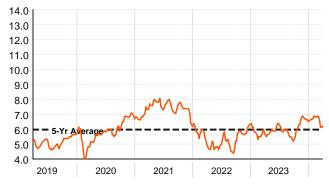
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DETAILED STOCK REPORT Report Date: 2024-May-02

PRICE TO SALES

The most recent week's close price divided by the revenue per share.

- Price to Sales: 6.1
- 5-Year Average: 6.0
- S&P 500 Index Average: 2.6
- Inv. Mgmt & Fund Operators Industry Average: 2.5



FORWARD PE

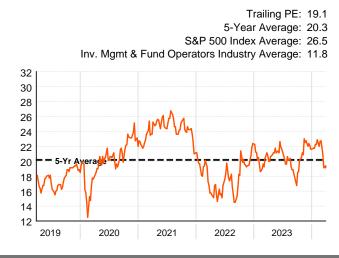
The most recent week's close price divided by the sum of the four upcoming quarterly consensus estimates.

- Forward PE: 17.9
- 5-Year Average: 19.1
- S&P 500 Index Average: 20.6
- Inv. Mgmt & Fund Operators Industry Average: 14.9



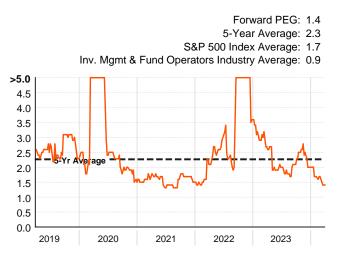
TRAILING PE

The most recent week's close price divided by the sum of the four most recently reported quarterly earnings.



FORWARD PEG

The Forward P/E divided by the five-year forecasted growth rate.

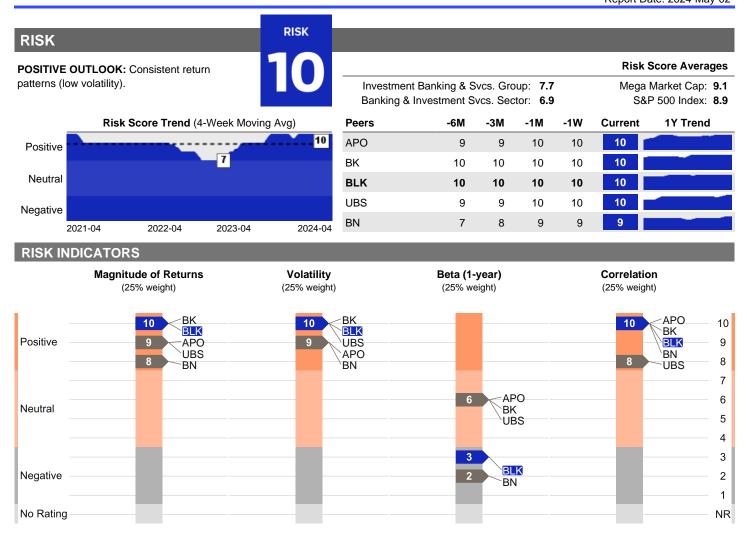




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Daily Returns (Last 90 Days)		Standard Deviation		1.22	Correlation vs. S&P 500	
3.0%	Last 90 Days	1.21	Positive Days Only	1.31	Last 90 Days	63%
-3.0%	Last 60 Months	8.63	Negative Days Only	1.14	Last 60 Months	83%
(Last 60 Months)	Intra-Day Swing (Last 90 Days)		Beta vs. Group	0.96	Correlation vs. Grou	р
22.7%	Average	1.7%	Positive Days Only	1.04	Last 90 Days	66%
-19.2%	Largest	5.4%	Negative Days Only	1.00	Last 60 Months	76%
	3.0% -3.0% (Last 60 Months) 22.7%	3.0%Last 90 Days-3.0%Last 60 Months(Last 60 Months)Intra-Day Swing (Last 22.7%22.7%Average	3.0% Last 90 Days 1.21 -3.0% Last 60 Months 8.63 (Last 60 Months) Intra-Day Swing (Last 90 Days) 22.7% Average 1.7%	3.0%Last 90 Days1.21Positive Days Only-3.0%Last 60 Months8.63Negative Days Only(Last 60 Months)Intra-Day Swing (Last 90 Days)Beta vs. Group22.7%Average1.7%Positive Days Only	3.0%Last 90 Days1.21Positive Days Only1.31-3.0%Last 60 Months8.63Negative Days Only1.14(Last 60 Months)Intra-Day Swing (Last 90 Days)Beta vs. Group0.9622.7%Average1.7%Positive Days Only1.04	3.0%Last 90 Days1.21Positive Days Only1.31Last 90 Days-3.0%Last 60 Months8.63Negative Days Only1.14Last 60 Months(Last 60 Months)Intra-Day Swing (Last 90 Days)Beta vs. Group0.96Correlation vs. Group22.7%Average1.7%Positive Days Only1.04Last 90 Days

HIGHLIGHTS

- BlackRock Inc currently has a Risk Rating of 10 while the S&P 500 index has an average rating of 8.9.
- On days when the market is up, BLK shares tends to outperform the S&P 500 index. However, on days when the market is down, the shares generally decrease by more than the index.
- In both short-term and long-term periods, BLK has shown high correlation (>= 0.4) with the S&P 500 index. Thus, this stock would provide only low levels of diversification to a portfolio similar to the broader market.
- Over the last 90 days, BLK shares have been less volatile than the overall market, as the stock's daily price has fluctuated less than 92% of S&P 500 index firms.

RISK ANALYSIS

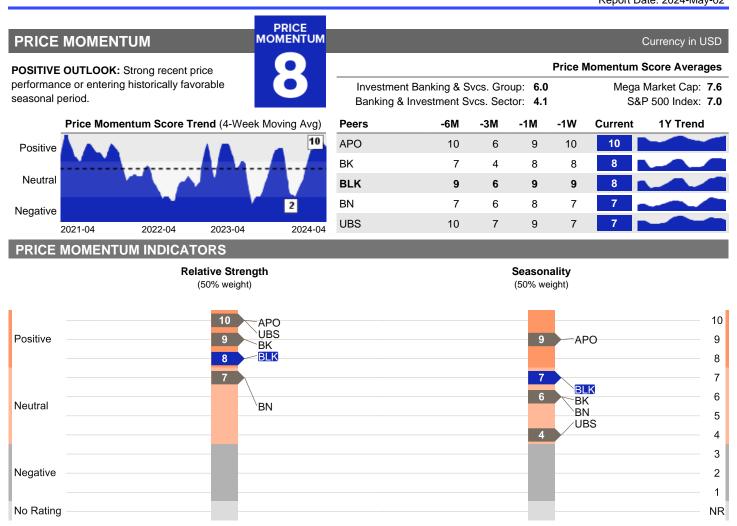
		Last 90 Days					Months
Peers	Best Daily Return	Worst Daily Return	# Days Up	# Days Down	Largest Intra-Day Swing	Best Monthly Return	Worst Monthly Return
BLK	3.0%	-3.0%	35	29	5.4%	22.7%	-19.2%
APO	3.2%	-3.6%	36	28	4.9%	27.5%	-24.3%
BK	2.0%	-3.1%	38	25	5.7%	13.9%	-20.3%
BN	2.9%	-4.7%	36	28	4.1%	36.0%	- 26.2%
UBS	3.5%	-5.5%	33	31	2.8%	21.0%	-15.8%
S&P 500	2.1%	-1.6%	32	31	2.3%	12.7%	-12.5%



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Relative Strength Indicator (Scale from 1 to 100)						
	BLK Industry Av					
Last 10 Days	34	50				
Last 50 Days	46	51				
Last 200 Days	51	51				

BLK

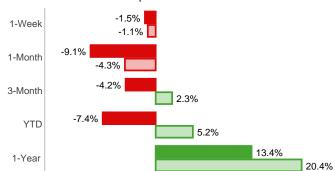
S&P 500

Average	Monthly	/ Return	(Last	10	Years)
AVEIAGE	WOILIN	/ INCLUIT	Lasi	10	i caisi

	May	Jun	Jul
Company Avg	1.4%	0.01%	2.3%
Industry Avg	-0.24%	0.88%	2.1%
Industry Rank	59 of 128	86 of 128	49 of 128

PRICE PERFORMANCE

Daily close prices are used to calculate the performance of the stock as compared to a relevant index over five time periods.



	BLK	S&P 500
Close Price (2024-05-01)	751.58	5,018
52-Week High	845.00	5,254
52-Week Low	596.18	4,061

- On 2024-05-01, BLK closed at 751.58, 11.1% below its 52week high and 26.1% above its 52-week low.

 BLK shares are currently trading 6.0% below their 50-day moving average of 799.53, and 1.6% above their 200-day moving average of 739.91.

- The S&P 500 index is currently 4.5% below its 52-week high and 23.6% above its 52-week low.

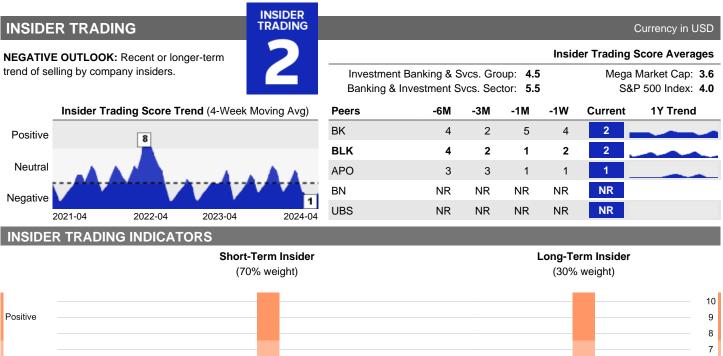


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BLACKROCK INC (BLK-N)

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Positive		8			BK	4	2	5	4	2		-
					BLK	4	2	1	2	2		
Neutral					APO	3	3	1	1	1		-
Negative		V	VV	1	BN	NR	NR	NR	NR	NR		
0	2021-04	2022-04	2023-04	2024-04	UBS	NR	NR	NR	NR	NR		
INSIDE	R TRADIN	G INDICAT	ORS									
				erm Insider					-	rm Inside	er	
			(70%	6 weight)					(30%	weight)		
L												10
Positive												- 9
												8
												- 7 - 6
Neutral												- 5
												- 4
				3 BK							0	3
Negative				2 BLK APO					······	leg BK	K	2
No Rating												1 NR
				NR BN UBS							S	

N	lost Recent Buy	s and Sells (Last 90) Days)		Insider Summary (Last	6 Months)
Insider Name	Role	Tran Date	Tran Type	Shares	Total Shares Acquired	54,059
Fink, Laurence D	CEO	2024-02-28	S	30,978	Total Shares Disposed	157,016
Lord, Rachel	0	2024-02-23	S	36,059	Net Shares	-102,957
Wiedman, Mark	0	2024-02-23	S	240	Sector Average	37,914

HIGHLIGHTS

- BlackRock Inc currently has an Insider Trading Rating of 2, which is significantly more bearish than both the Inv. Mgmt & Fund Operators industry average of 4.77 and the Investment Banking & Svcs. industry group average of 4.48.
- Executives at BlackRock Inc have not purchased or sold any shares thus far this quarter. Over the past five years, the average purchase and sell totals for Q2 have been \$0 and \$8,929,780 respectively.

TOP INSTITUTIONAL HOLDERS

Institution Name	Inst. Type	% O/S	Shares Reported Held Date
The Vanguard Group Inc	Inv Mgmt	8.6%	12.8M 2023-12-31
Kuwait Investment	Inv Mgmt	5.4%	7.99M 2024-03-28
BlackRock Institutional	Inv Mgmt	4.4%	6.58M 2023-12-31
State Street Global	Inv Mgmt	3.9%	5.86M 2023-12-31
Temasek Holdings	Inv Mgmt	3.4%	5.10M 2023-12-31
	ι	Jpdated	daily as of 2024-05-01

MONTHLY BUYS AND SELLS

BUYS \$ Market Value 100 No insider activity during the past year 50 Excludes 0 derivative and option 50 exercises 100 SELLS

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TOP EXECUTIVE HOLDERS

Insider Name	Role	Direct Shares	Value	Reported Date
Wagner, Susan L	D	0.43M	343M	2024-02-22
Fink, Laurence D	CEO	0.41M	332M	2024-02-28
Kapito, Robert S	Р	0.22M	174M	2024-01-31
Kushel, J. Richard R	0	67,107	53.9M	2024-02-07
Gerber, Murry S	D	42,648	34.2M	2024-01-16
		Updated me	onthly as	of 2024-03-17

LSEG DATA & ANALYTICS

Banking & Investment Svcs. / Investment Banking & Svcs. / Inv. Mgmt & Fund Operators

LSEG Stock Reports Plus

DETAILED STOCK REPORT Report Date: 2024-May-02

DETAILED STOCK REPORT TIPS

The Stock Report from LSEG is a comprehensive, company-specific analysis that includes a proprietary Stock Rating along with underlying component indicators and supportive data elements. The report is updated daily, although some of the data elements and the ratings are updated weekly.

Average Score

The Stock Reports Plus Average Score combines a quantitative analysis of six widely-used investment decision making tools - Earnings, Fundamental, Relative Valuation, Risk, Price Momentum, and Insider Trading. First, a simple average of the six underlying component ratings is calculated. Then, a normal distribution is used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A score of 8 to 10 is considered positive, 4 to 7 is neutral, and 1 to 3 is negative. These six factors may be evaluated differently using alternative methodologies, and the importance of individual factors varies across groups, market capitalization and investment styles. Additional criteria should always be used to evaluate a stock.

A company must have sufficient data available for at least four of the six component indicators in order to receive an overall Average Score. Approximately 85% of the stocks within the coverage universe meet the criteria to generate a score.

Optimized Score

As an alternative to the Average Score, the Stock Report includes an Optimized Score generated by independent research firm Verus Analytics. It uses the same six component ratings, but rather than equally weighting each of the factors, the weighting varies by market capitalization of the underlying security based on backtesting research. These scores are also updated weekly and distributed normally on a 1 to 10 scale, with 10 being best. The variable size is assigned monthly by ranking the market capitalization and assigning the appropriate category as follows:

Large - Top 5.55% Mid - Next 13.87% Small - Next 34.68% Micro - Remaining 45.9%

Indicator Components

The six indicators that comprise the stock rating are displayed. Like the stock rating, the component rating scale is 1 to 10, with 10 being best. A company will receive an 'NR' for No Rating if the required data elements or criteria are not met. A detailed section for each component is included in the report.

Indicator Trends

Within each component section, historical score trends are displayed, typically using a 4-week moving average over a timeframe of the past three years. The dotted orange line indicates the average of the scores over those three years. The most recent occurrences of the best and worst scores are also displayed on the chart in grey boxes to put the current score into historical context.

Next to the trend chart for the company, current score averages are included, along with peer company comparisons of values from 6 months ago, 3 months ago, 1 month ago, the most recent value from 1 week ago, and the current score. The four closest industry peers are presented based on similar market capitalization.

Peer Analysis

- The Refinitiv Business Classification (TRBC) schema is used for industry comparisons. It is designed to track and display the primary business of a corporation by grouping together correlated companies that offer products and services into similar end markets. The system includes 10 Economic Sectors, 28 Business Sectors, 54 Industry Groups, and 136 Industries.
- The Peer Analysis section of the report compares the company to its ten closest peers. The peers are selected from the industry based on similar market capitalization. The peer listing may have fewer than ten companies if there are fewer than ten companies classified within that industry.

<u>Highlights</u>

The automated text-generation system from LSEG creates highlights summarizing the most noteworthy data. The bullets will vary by company and will change from week to week as different criteria are met.

Earnings

The Earnings Rating is based on a combination of three factors: earnings surprises, estimate revisions, and recommendation changes. Each factor is equally weighted. Then, equal deciles are used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A stock needs to have at least two of the three earnings factors in order to receive a score.

- Earnings Surprises The number of positive and negative surprises within the last 4 quarters.
- Estimate Revisions The number of up and down revisions and the average percentage change of those revisions within a 4 week period.
- Recommendation Changes The number of broker upgrades and downgrades in the last 120 days.

Price Target

The price target is based on the predictions of analysts covering the stock and shows the high, low and mean price expected within the next 12 months.

Earnings Per Share

The quarterly and annual earnings per share are presented when available, along with the mean, high and low. Quarterly data is displayed for the past 4 quarters (actual) and the next 2 quarters (estimated). Annual data is displayed for the past 2 years (actual) and the next 2 years (estimated).

Mean Estimate Trend

The mean estimates show how the consensus has changed over the past 30 days and 90 days for the upcoming two quarters and two years. The percentage change is calculated for the company as a means for comparison by measuring the difference between the current consensus estimate and that of 90 days ago.

Analyst Recommendations

The I/B/E/S Mean is the average recommendation of all analysts covering the stock, as provided by I/B/E/S, the Institutional Brokers Estimate System, from LSEG. The recommendations are presented on a five-point standardized scale: strong buy, buy, hold, sell, and strong sell.

Earnings Surprises

- The surprise summary includes the total number of quarters (and percentage) in the past 12 quarters in which earnings surprises were positive, negative, or inline. In order to be recognized as a positive or negative surprise, the percent must be greater than 2% above or 2% below the consensus, respectively.
- The surprise detail section includes a listing of the company's quarterly earnings reported for the most recent 6 quarters. The consensus analyst estimate is provided to determine if the actual earnings report represented a positive surprise, negative surprise, or in-line result.

Fundamental

The Fundamental Rating is based on a combination of four factors: profitability, debt, earnings quality, and dividend. Companies that do not pay a dividend are not penalized. Each factor is equally weighted. Then, equal deciles are used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A stock needs to have at least two of the four fundamental factors present for a given fiscal quarter in order to receive a score.

Profitability

- Revenue Growth: (Net Sales Previous Net Sales) / Previous Net Sales
- Gross Margin: Gross Profit / Net Sales
- Return on Equity: Net Income / Total Equity
- Net Margin: Net Profit / Net Sales

Debt

- Current Ratio: Current Assets / Current Liabilities
- Debt-to-Capital: Total Debt / Total Capital
- Interest Funding: (Interest Expense on Debt + Preferred Cash Dividends) / Funds from Operations
- Interest Coverage: Earnings before Interest and Taxes / (Interest Expense on Debt + Preferred Cash Dividends)

Earnings Quality

- Operating Cash Yield: (Operating Cash Flow Net Income) / Net Income
- Accruals: (Net Income Operating Cash Flow Investing Cash Flow) / Average Net Operating Assets
- Days Sales in Inventory: 365 / (Cost of Goods Sold / Inventory)
- Days Sales in Receivables: 365 / (Net Sales / Receivables)

Dividend

The company must have a current dividend yield.

- Dividend Growth Rate: (Dividends per Share Previous Dividends per Share) / Previous Dividends per Share
- Dividend Funding: Dividends / Operating Cash Flow
- Dividend Coverage: (Pre-Tax Income + Interest Expense) / (Interest Expense + Dividends)
- Dividend Yield: Annual Dividends per Share / Current Market Price per Share

Indicator Trend

The fundamental indicator trend displays quarterly scores over the past three years. The best and worst scores over that timeframe can be easily determined from the values shown on the chart for each quarter.



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DETAILED STOCK REPORT Report Date: 2024-May-02

IA - Investment Advisor

MD - Managing Director

OD - Officer / Director

OF - Other Executive

OS - Officer of Subsidiary

SVP - Senior Vice President

OT - Officer / Treasurer

OX - Divisional Officer

P - President

S - Secretary

SH - Shareholder

R - Retired

T - Trustee

UT - Unknown

VC - Vice Chairman

VP - Vice President

O - Officer

MC - Member of Committee

OB - Officer / Beneficial Owner

Relative Valuation

The Relative Valuation Rating is based on a combination of three factors: Price to Sales, Trailing P/E, and Forward P/E. Each factor is equally weighted. After the individual factors are combined, equal deciles are used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. These common valuation metrics are evaluated against the overall market, the index, and the company's own historic 5-year averages. A stock needs to have at least one of the three relative valuation factors in order to receive a score.

- Price to Sales: Close Price / (Sales for 4 Quarters / Shares Outstanding)
- Trailing P/E: Close Price / Most Recent 4 Quarters of Earnings
- Forward P/E: Close Price/ Upcoming 4 Quarters of Earnings

Valuation Averages

Negative values are excluded when calculating the averages. A maximum value of 100 is placed on Trailing P/E and Forward P/E, a maximum value of 5 is placed on Forward PEG, and a maximum value of 20 is placed on Price to Sales when calculating the averages. Higher values are rounded down to the maximum for the averages.

Valuation Multiples

The valuation multiples provide the Trailing P/E, Forward P/E, Forward PEG, and Price to Sales for the company and the S&P 500 index average. In addition, a comparison of the current company's values to its 5-year average and an industry average are presented. A discount occurs when the company's ratio is valued more favorably (lower) than that to which it is compared.

<u>Risk</u>

The Risk Rating displays stocks on a scale of 1 to 10 with 10 being awarded to the least risky stocks. It is derived by looking at a series of long-term (5-year) and short-term (90-day) stock performance measures including volatility, magnitude of returns, beta, and correlation. Each factor is equally weighted. Then, equal deciles are used to rank each stock across the market. A stock needs to have at least two of the four risk factors in order to receive a score.

- Magnitude of Returns The best / worst daily returns in the past 90 days and the best / worst monthly returns in the past 60 months.
- Volatility The standard deviation of the stock price over the last 90 days and last 60 months, along with the average and largest intra-day stock swing.
- Beta Measures the tendency of a security's returns to respond to swings in the market, based on the beta of the company versus the relevant index.
- Correlation Determines how closely the returns of the stock and the relevant index move together, measured over the last 90 days and last 60 months.

Risk Analysis

Price analysis for the company and the S&P 500 is provided over two time periods. Daily analysis is provided for the last 90 days, whereas monthly statistics are used for the last 60 months.

Price Momentum

The Price Momentum Rating is based on a combination of two technical performance factors: relative strength and seasonality. The factors are equally weighted. Equal deciles are then used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A stock needs to have data for the relative strength factor in order to receive a score.

- Relative Strength The relative strength of the company for the last 10 days, 50 days, and 200 days on a scale of 1 to 100.
- Seasonality The average monthly return (price performance) for the current month and next 2 months for the company and industry, over the past 10 years. A lower industry rank indicates a higher return.

Price Performance

Daily close prices are used to calculate the price performance of the stock. The performance of the S&P 500 is also displayed as a means of comparison.

Insider Trading

The Insider Trading Rating is based on short-term (70% weight) and long-term (30% weight) legal insider trading behavior. After the weightings are considered to combine individual factors, a function similar to a normal distribution is used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A stock needs to have at least one of the two insider trading factors in order to receive a score.

- Short-Term Insider Uses insider buy and sell transactions within the past 90 days. This factor is based on the quantitative insider trading model from LSEG that considers the insider's role, consensus, number of shares, market capitalization of the company, and the historic stock performance following trades by the given insider.
- Long-Term Insider Looks at buying, selling and option exercise decisions over the past six months relative to other stocks within the same business sector. The net shares are presented alongside the business sector average as a means of comparison.

Monthly Buys and Sells

The total market value of open-market buying and selling is displayed by month in the chart for easy comparison. Transactions by trusts and corporations are excluded, along with buys greater than \$10 million and sales greater than \$50 million. Transactions for the exercise of derivatives and option exercises are excluded from the totals.

Institutional Holders

The top five institutional holders of the company are listed in descending order, based on their total share holdings. Possible values for the institution type include Brokerage, Funds, Inv Mgmt, or Strategic.

Executive Holders

The top five executive insiders of the company are listed in descending order, based on their total direct common share holdings (options are not considered). Indirect holdings are excluded, as the owner may not actually have investment discretion over these shares. This table is updated monthly. Insiders who have not filed any transactions or holdings over the past two years are excluded as this may indicate that the individual is no longer associated with the company. Additionally, direct shares held must be greater than 1,000 to be considered.

Insider Roles

These role codes may appear in the data for recent insider buys and sells or top executive holders:

AF - Affiliate AI - Affiliate of Advisor

- B Beneficial Owner C - Controller
- CB Chairman CEO - Chief Executive Officer

CEO - Chief Financial Officer

- CI Chief Investment Officer
- CO Chief Operating Officer
- CT Chief Technology Officer
- D Director
- DO Director / Beneficial Owner
- DS Indirect Shareholder
- EC Member of Exec Committee
- EVP Exec Vice President
- FO Former
- GC General Counsel
- GP General Partner
- H Officer / Director / Owner

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