Calamos Alternatives Snapshot

January 21, 2020 (data as of January 17, 2020 unless indicated)

OTD

2.04

2.55

3.64

2.56

3.08

1.54

1.12

0.97

0.80

0.42

0.09

-0.18

-0.84

-3.81

12.31.19

1.55

1.58

1.92

2.55

S&P 500, as a proxy for equities

YTD

2.04

2.55

3.64

2.56

3.08

1.54

1.12

0.97

0.80

0.42

0.09

-0.18

-0.84

-3.81

1.17.19

2.40

2.56

2.75

3.50

MTD

2.04

2.55

3.64

2.56

3.08

1.54

1.12

0.97

0.80

0.42

0.09

-0.18

-0.84

-3.81

1.10.20

1.55

1.58

1.85

2.54

U.S. Aggregate Bond, as a proxy for fixed income

WEEKLY HEADLINES Don't Look for Double-digit Returns This Decade

Morningstar's annual compilation of capital markets return assumptions, released last week, presents a lessthan-rosy outlook for equities in the 2020s. Forecasters look for 6.1% for U.S. large caps on the high end and -4.4% on the low end.

Firms are just as pessimistic about bonds, with return estimates ranging from a 3.4% nominal return for U.S. investment-grade corporates down to a -2.1% real return for U.S. bonds.

These return estimates are more intermediate-term than they are long, with greatest relevance to investors with seven to 10-year time horizons or to new retirees who face sequence-of-return risk in the next decade, says Morningstar's Christine Benz.

Economic Releases vs. Consensus (week of 1/13) CPI/Core CPI (v/v): 2.3%/2.3% vs. 2.3%/2.3%

PPI/Core PPI (y/y): 1.3%/1.1% vs. 1.3%/1.3% Consumer Sentiment: 88.3 vs. 89

Economic Releases (week of 1/20)

Existing Home Sales (1/22) Initial Jobless Claims (1/23)

MORNINGSTAR WEEKLY EST. NET FLOWS (\$MIL) ¹								
	Last	2 Wks	3 Wks	4 Wks	Weekly			
	Week	Ago	Ago	Ago	Streak			
Market Neutral	121	111	59	(23)	3			
Multialternative	87	195	111	188	4			
Energy LPs	81	136	(71)	(64)	2			
Nontraditional Bond	58	39	93	50	3			
Commodities Broad	24	(56)	(44)	(5)	1			
Managed Futures	18	7	(57)	(86)	2			
Convertibles	17	80	15	99	3			
Bear Market	1	(0)	3	2	1			
Multicurrency	(3)	(9)	(11)	(8)	(10)			
Options-based	(3)	65	3	81	(1)			
Long-Short Equity	(4)	(60)	(48)	(86)	(58)			
Long-Short Credit	(15)	(15)	(37)	10	(3)			
Real Estate	(38)	(55)	(21)	61	(3)			

DRUAD II	NDEX PERFORIVIAINCE
	1
S&P 500	

MSCI EM

MSCI ACWI

MSCI World

MSCI EAFE

ICE BofAML Global Cv Index

ICE BofAML US HY Master II

BBgBarc US Agg Bond

COMMODITIES²

Gold

Gasoline

Oil

BBgBarc US Govt/Credit

ICE BofAML All U.S. Cv (VXA0)

Russell 3000	2.04
Russell 2000	2.54
Russell 1000	2.00
Russell Mid Cap	2.29

week

1.99

1.61

0.86

0.79

1.41

0.29

0.06

0.06

1.17.20

1557

58.2

2.57

2.45

3.51

0.76

0.50

0.57

1549

63.3

2.58

MTD

3.14

3.12

3.20

OTD

3.14

3.12

1.90

3.20

0.57



2.25

YTD

3.14

3.12

1.90

3.20

2.76

2.91

2.54

2.48

1.05

2.45

Real Estate

Managed Futures

Long-Short Equity

Multialternative

Long-Short Credit

Market Neutral

Multicurrency

Bear Market

BOND RATES²

2-Year Treasury

10-Year Treasury

Nontraditional Bond

Commodities Broad Basket

Effective Fed Funds Rate

ICE BofAML US Corp. AAA

Convertibles

Options-based

Energy Limited Partnership

Commodities Precious Metals







HOW A 60/40 PORTFOLIO BECAME 79/21 IN THE LAST 10 YEARS

Starting with a portfolio of \$100,000 on 12/31/09

120 90 60





MORNINGSTAR ALTERNATIVE CATEGORIES¹

1 week

2.53

1.68

1.65

1.31

1.21

1.15

0.73

0.58

0.28

0.16

0.15

-0.17

-0.61

-2.63

1.17.20

1.54

1.58

1.81

2.50



12-09 12-10 12-11 12-12 12-13 12-14 12-15 12-16 12-17 12-18 12-19



market. The Bloomberg Barclays U.S. Aggregate Bond Index is a broad-based flagship benchmark that measures the investment grade, U.S. dollar-denominated, fixed-rate taxable bond market. The index includes Treasuries, government related corporate securities, MBS (agency fixed-rate and hybrid ARM pass-throughs), ABS and CMBS (agency and non-agency).

MARKET PULSE¹



VALUE	CORE	GROWTH	1/17/2020	VALUE	CORE	GROWT
1.42	3.20	4.89	LARGE	1.42	3.20	4.89
1.83	2.76	4.17	MID	1.83	2.76	4.17
0.26	1.90	3.48	SMALL	0.26	1.90	3.48

Past performance is not indicative of future results. This material is provided for internal and educational purposes only and should not be construed as investment advice or an offer or solicitation to buy or sell securities. Source: ¹Morningstar (Net Flows as of previous Wed.), ²St. Louis Federal Reserve (FRED Database). FOR INVESTMENT PROFESSIONAL USE ONLY.



Definitions and Disclosures

The Nontraditional Bond category contains funds that pursue strategies divergent in one or more ways from conventional practice in the broader bond-fund universe. Multialternative funds offer investors exposure to several different alternative investment tactics. Funds in this category have a majority of their assets exposed to alternative strategies. Bear Market funds dedicate a majority of the fund's assets to equities. Most of the portfolio is dedicated to short stock positions in an attempt to take advantage of anticipated market or stock declines. Managed Futures funds primarily trade liquid global futures, options, swaps, and foreign exchange contracts, both listed and over-the-counter. Commodities Broad-basket portfolios can invest in a diversified basket of commodity goods including but not limited to grains, minerals, metals, livestock, cotton, oils, sugar, coffee, and cocoa. Commodities Precious Metals can invest in precious metals such as gold, silver, platinum, and palladium. Energy Limited Partnership strategies invest a significant amount of their portfolio in energy master limited partnerships, also known as MLPs. Multicurrency portfolios invest in multiple currencies through the use of short-term money market instruments; derivative instruments including and not limited to forward currency contracts, index swaps, and options; and cash deposits. Market Neutral funds attempt to reduce systematic risk created by factors such as exposures to sectors, market-cap ranges, investment styles, currencies, and/or countries. Real Estate portfolios invest primarily in real estate investment trusts of various types. REITs are companies that develop and manage real estate properties. Convertible-bond portfolios are designed to offer some of the capital-appreciation potential of stock portfolios while also supplying some of the safety and yield of bond portfolios. Options-based funds use options are a central component of their investment strategies. Long-Short Credit funds seek to profit from changes in the cr

The S&P 500 Index is considered generally representative of the U.S. equity market. The MSCI World Index is considered generally representative of the market for developed market equities. The MSCI Emerging Markets Index is a free float adjusted market capitalization index cited as a measure of the performance of emerging market equities. The MSCI ACWI Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets. The MSCI EAFE Index (Europe, Australasia, Far East) is a free float-adjusted market capitalization index that is designed to measure the equity market performance of developed markets, excluding the US & Canada. The Russell 3000 Index measures the performance of 3,000 publicly held US companies based on total market capitalization, which represents approximately 98% of the investable US equity market. The Russell 2000 Index measures the performance of the small-cap segment of the U.S. equity universe and includes approximately 2000 of the smallest securities based on a combination of their market cap and current index membership. The Russell 1000 Index measures the performance of the large-cap segment of the U.S. equity universe and includes approximately 1000 of the largest securities based on a combination of their market cap and current index membership. The Russell Midcap Index measures the performance of the mid-cap segment of the U.S. equity universe and includes approximately 800 of the smallest securities based on a combination of their market cap and current index membership. The ICE BofA U.S. High Yield Master II Index tracks the performance of U.S. dollar denominated below investment grade rated corporate debt publically issued in the U.S. domestic market. The Bloomberg Barclays Capital U.S. Aggregate Bond Index covers the U.S.-denominated, investment-grade, fixed-rate, taxable bond market of SEC registered securities. The Bloomberg Barclays U.S. Government/Credit Index is comprised of long-term government and investment-grade corporate debt securities and is generally considered representative of the performance of the broad U.S. bond market. The ICE BofA Global 300 Cv Index (VG00) is a \$US/Local-denominated unmanaged index generally indicative of the overall global convertible market. The ICE BofA All U.S. Convertibles Index (VXAO) is comprised of approximately 700 issues of only convertible bonds and preferreds of all qualities. Source ICE Data Indices, LLC, used with permission. ICE permits use of the ICE BofA Indices and related data on an 'as is' basis, makes no warranties regarding same, does not guarantee the suitability, quality, accuracy, timeliness, and/or completeness of the ICE BofA Indices or data included in, related to, or derived therefrom, assumes no liability in connection with the use of the foregoing and does not sponsor, endorse or recommend Calamos Advisors LLC or any of its products or services.

Oil - West Texas Intermediate (WTI - Cushing): A crude stream produced in Texas and southern Oklahoma which serves as a reference or "marker" for pricing a number of other crude streams and which is traded in the domestic spot market at Cushing, Oklahoma. Gasoline: Weighted average based on sampling of approximately 900 retail outlets, 8:00AM Monday. The price represents self-service unless only full-service is available and includes all taxes. Gold - Gold Fixings Price: The Fixings are an open process at which market participants can transact business on the basis of a single quoted price. Orders can be changed throughout the proceedings as the price is moved higher and lower until such time as buyers' and sellers' orders are satisfied and the price is said to be 'fixed'. Orders executed at the fixings are conducted as principal-to-principal transactions between the client and the dealer through whom the order is placed.

Calamos is the #2 manager of assets in the Alternatives category, as ranked by AUM (Morningstar, 12/31/19).

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