



# F5 CRYPTO INDEX

## » Scientific State-of-the-Art Crypto Index

Updated: 2019-07-24

### QUICK FACTS

#### Weighting

Equally-Weighted + Momentum Factor

#### # Constituents

12

#### Base Value

1000 (since 2018-08-15)

#### Min. Weight

3% (at rebalancing)

#### Max. Weight

none

#### Rebalancing Frequency

quarterly

#### Calculation Frequency

daily

#### Inception Date

2018-08-15

#### Backtesting Start Date

2017-01-01

Our F5 Crypto Index is the first scientific state-of-the-art cryptocurrency index. The index tracks the performance of its 12 constituents. The constituents are based on market cap and exclusion rules. The weights of the constituents are optimized for maximum performance according to cutting edge financial science: equally weighted plus momentum factor.

### PERFORMANCE SINCE 2019-01-01 +83%



### INDEX PERFORMANCE DATA

#### INDEX RETURNS

	Since start (total)	Since start (p.a)	2017	2018	YTD (2019)
F5 Crypto Index*	1,790%	215%	7,367%	-87%	83%
CRIX	1,160%	169%	2,683%	-80%	133%
Bitcoin	830%	138%	1,167%	-71%	163%
Ethereum	2,410%	252%	8,145%	-81%	58%

Performance measures for F5 and alternative crypto investment for period from 2017-01-01 until 2019-07-24

### DESCRIPTIVE STATISTICS

#### RISK MEASURES

	Volatility	Sharpe ratio	Max. drawdown	Upside frequency	Value-at-Risk 5%	Conditional Value-at-Risk 5%
F5 Crypto Index*	5.29	9.46	92.45	55.74	-8.19	-12.29
CRIX	4.50	8.54	87.92	58.31	-6.98	-11.43
Bitcoin	4.43	7.83	82.50	56.74	-6.18	-8.17
Ethereum	6.21	9.34	93.64	50.39	-7.60	-7.85

Risk measures for F5 and alternative crypto investment for period from 2017-01-01 until 2019-07-24

\*(backtested since 2017-01-01)





# F5 CRYPTO INDEX

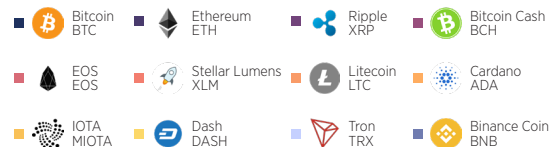
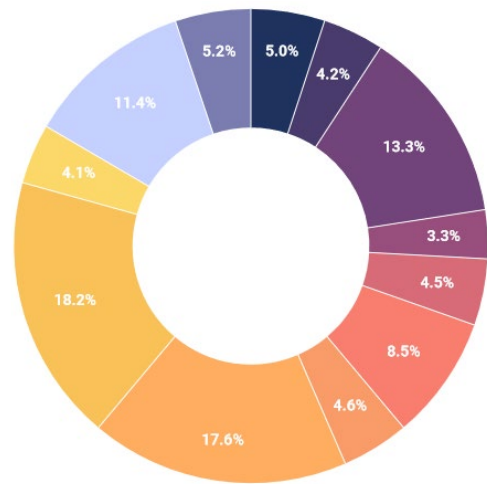
## » Scientific State-of-the-Art Crypto Index

### KEY FACTS

- Exclusively developed for F5 Crypto Capital by Professor Hermann Elendner at Humboldt-Universität Berlin.
- 12 constituents for optimal intra-crypto diversification.
- Quarterly rebalancing ensures a dynamic exposure to cover trending cryptos.
- To serve financial products, our F5 Crypto Index constituents are actively managed. We exclude non-multi-signature cryptos, stablecoins and privacy coins.
- The index is available for licensing.

### CURRENT 12 CONSTITUENTS

Cryptoasset	Symbol	Allocation
Bitcoin	BTC	5.0 %
Ethereum	ETH	4.2 %
Ripple	XRP	13.3 %
Bitcoin Cash	BCH	3.3 %
EOS	EOS	4.5 %
Stellar Lumens	XLM	8.5 %
Litecoin	LTC	4.6 %
Cardano	ADA	17.6 %
IOTA	MIOTA	18.2 %
Dash	DASH	4.1 %
Tron	TRX	11.4 %
Binance Coin	BNB	5.2 %



Screenshot of our F5 Crypto Index weights 2019-07-24

### REBALANCING METHODOLOGY

- The market cap ranking of cryptos is updated quarterly to form the top 12 constituents. Leaving cryptos get liquidated, new positions get established. The top 12 market cap ranking is determined by an exponentially-weighted moving average of the market capitalization over a rolling window of a fixed length.
- Existing positions are rebalanced among themselves. The target weights are calculated by starting with an equal weighting and combining it with a momentum factor. More details of the calculation methodology is available in our F5 Crypto Index Whitepaper.
- The index employs a smart rebalancing algorithm to minimize trading while ensuring positions sufficiently close to target allocations.

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#### Backtested Performance

This document contains index performance data based on backtesting, i.e. calculations of how the index might have performed prior to launch if it had existed using the same index methodology and based on historical constituents. In order to preclude hindsight bias, no dynamic management decisions are included in this evaluation; the F5 Crypto Index is determined based on the standard parametrisation alone. Backtested performance information is purely hypothetical and is provided in this document solely for information purposes. Backtested performance does not represent actual performance and should not be interpreted as an indication of actual performance.

