

# Risk Layer Features Visualizations

Interactive diagrams for understanding trading risk management

## 1. Three-Layer Risk Protection System

### Layer 3: Capital Allocation

Strategic distribution across strategies and asset classes

### Layer 2: Max Exposure

Portfolio-wide limits across all positions

### Layer 1: Auto-Position Sizing

Individual trade risk management

 **How it works:** Each layer provides protection at a different level. Layer 1 protects individual trades, Layer 2 protects your portfolio, and Layer 3 provides strategic balance across your entire trading operation.

## 2. Position Sizing Calculator

**Account Size (\$)**

25000

**Risk Percentage (%)**

2

**Entry Price (\$)**

225

Stop-Loss Price (\$)

195

**Calculate Position Size**

### 3. Trade Calculation Example

#### TRADE CALCULATION

Account Size:	<b>\$25,000</b>
Risk Percentage:	<b>2%</b>
Max Risk:	<b>\$500</b>
Entry Price:	<b>\$225</b>
Stop-Loss:	<b>\$195</b>
Risk per Unit:	<b>\$30</b>

#### POSITION SIZE

**16 units**

Total Investment: \$3,600

✓ Risk: \$480 (1.92%) - Within acceptable range

### 4. Current Exposure Monitor

Total Capital at Risk

**4.5% / 6% max**

Open Positions

**3/5**

Portfolio Heat

**\$450**

Available Exposure

**1.5%**

Status

**✓ Safe**

**Status:** Within limits. Can open 2 more positions before reaching maximum exposure.

## 5. Capital Allocation Pyramid

**High-Risk  
Strategies**

**5%**

Aggressive day  
trading,  
experimental bots

**Moderate-Risk  
Strategies**

**15%**

Swing trading, crypto bots,  
active strategies

**Low-Risk Strategies**

**80%**

Conservative long-term, cash reserve,  
stable positions

⚠ **Important:** The pyramid structure ensures most capital is protected in conservative strategies, while allowing controlled risk-taking at higher levels.

## 6. Scenario Comparison: With vs Without Max Exposure

### ✗ WITHOUT Max Exposure

Positions Opened:	<b>10</b>
Individual Risk:	<b>2% each</b>
Total Exposure:	<b>20%</b>
Market Event:	<b>Flash Crash</b>
All Stops Hit:	<b>Yes</b>

**LOSS: -\$2,000 (20%)**

Remaining Balance:

**\$8,000**

Recovery Needed: **+25%**

### ✓ WITH 6% Max Exposure

Positions Opened:	<b>3</b>
Individual Risk:	<b>2% each</b>
Total Exposure:	<b>6%</b>

Market Event:

Same Crash

All Stops Hit:

Yes

**LOSS: -\$600 (6%)**

Remaining Balance:

**\$9,400**

Recovery Needed: **+6.4%**

## 7. Risk Level Comparison Table

Parameter	Conservative	Moderate	Aggressive
Risk/Trade	0.5-1%	1-2%	2-3%
Max Exposure	3-5%	5-10%	10-15%
Max Positions	2-3	3-5	5-10
Daily Stop	2%	3-5%	5-7%
Max Drawdown	10-15%	15-20%	20-25%
Account Size	Any	\$5k+	\$25k+
Experience	Beginner	Intermediate	Advanced

**Recommendation:** Start Conservative, earn your way to Moderate. Only move to Aggressive with proven consistency and sufficient capital.

## 8. Bot Performance Dashboard (30 Days)

**Bot A: Trend Follower**

## +\$1,250 (8.3%)

Win Rate:	45%
Sharpe Ratio:	1.8
Max Drawdown:	-3.2%
Total Trades:	42

✓ Performing Well

### Bot B: Mean Reversion

## -\$320 (-2.1%)

Win Rate:	62%
Sharpe Ratio:	0.8
Max Drawdown:	-8.5%
Total Trades:	68

⚠ Review Needed

### Bot C: Scalper

## +\$880 (12.1%)

Win Rate:	51%
Sharpe Ratio:	2.1
Max Drawdown:	-2.8%
Total Trades:	156

✓ Excellent

### Actions:

- Increase Bot C allocation (+\$2k) - Excellent performance
- Review Bot B strategy parameters - Underperforming
- Maintain Bot A current settings - Solid performer

## 9. Asset Correlation Matrix

Asset	BTC	ETH	ADA	SOL	EUR/USD	GOLD
BTC	1.00	0.92	0.88	0.89	0.15	0.22
ETH	0.92	1.00	0.91	0.93	0.18	0.25
ADA	0.88	0.91	1.00	0.90	0.14	0.20
SOL	0.89	0.93	0.90	1.00	0.16	0.23
EUR/USD	0.15	0.18	0.14	0.16	1.00	0.45
GOLD	0.22	0.25	0.20	0.23	0.45	1.00

⚠ **High (>0.80):** NOT diversified

**Medium (0.30-0.80):** Some correlation

✓ **Low (<0.30):** TRUE diversification