

Threat Finder

ultrafast and real- time decision- maker for applications with complex data input

User configurable digital signal pattern matching module listens for multiple input channels and interprets data per your instructions, so you don't have to.

Annual Sales Forecast for USA *				Innovation Status		Idea
Sales & Marketing Support Level	Conservative 80% odds of selling	Most Likely 50% odds of selling	Aggressive 20% odds of selling	Development Status	Proprietary Protection Status	Concept Score
Ultra Low	\$0	\$4,200	\$43,000	1 of 5 In Development	2 of 5 Patent Pending	23 29 is Average
Low Support	\$66,000	\$200,000	\$490,000			
Medium Support	\$570,000	\$1.4 M	\$3.1 M			
High Support	\$1.6 M	\$4.0 M	\$8.3 M			
Ultra High	\$2.9 M	\$7.5 M	\$15.8 M	Remaining Time & Cost to First Sale		
				1-2 yrs	\$100k-\$1M	

Threat Finder - *ultrafast and real- time decision- maker for applications with complex data input*

Final Decision Maker: security professionals, development engineers, educators, researchers

Imagine that a camera is aimed at whatever you want to monitor (widgets parading by on an assembly line, a critical machinery part that could fault, or even an entry to your home/ business) and that you could in real- time be alerted to an uncharacteristic feature (a processing blunder, corrosion, an intruder) with a time stamp that lets you know precisely when that anomaly was detected. Now imagine that the sensitivity of this detection is so keen that you could pick up the slightest imperfection or deviation from what you expect. This device can "learn" what "normal" should be for your circumstances and alert you whenever something is awry.

Home/ business intrusion detection and manufacturing processing and quality control are just a couple of areas where real- time notification of abnormal digital signal could allow a user to be alerted to deviations from "normal" situations. Researchers at the National Institute of Standards and Technology have developed a simple method to automatically "notice" when an abnormal occurrence is present in an otherwise steady state. Deviations as small as a single photon - the smallest "speck" of light can be detected through this technique to trigger an alert to the user.

Multi- coincidence extractor processes hundreds of millions of events per second and filters them to a small data stream and end user can easily handle. The user's PC or other electronic device is notified when their event has occurred. The device is easily configurable so it cuts time and investment for developing new devices or extracting old information.

\$1,000 for one unit (excluding computer)

Seeking: Purchase, Investment, Manufacturing/ R&D

- Email Inventor(s)
- Link to Website With More Info
- Link to YouTube Video
- Inventor(s) Open to Consulting Requests
- Agree to use Fair Contract
- Invention can be exported

* Consumption sales forecast. Does not include "Random" events or Inventory Fill . Forecast is for Year 1 for Large or Year 2 for Small Companies. Forecast should be read as ... With Low marketing support there is an 80% odds of achieving sales of at least...



Report Assumptions and Inventor(s) Commentary

Inventor(s) Assumptions	"Most Likely" Estimate	Confidence	Inventor(s) Commentary Data Source or Basis for Assumptions
# of Possible Final Decision Makers	76,000	30%	mfgs: plastic, rubber = 12,000 metal fab = 44,000 computer, electronics = 12,000 aero, ship, rail, motor = 8,000 Total mfgs = 76,000 + 100,000 property owners
Revenue per First Purchase	\$2,000.00	20%	estimate accounts for cost to produce and profit
% that will Repeat	20%	10%	no data - this could be drastically under or overestimated
Number of Annual Repeats	2	10%	no data - this could be drastically under or overestimated
Revenue per Repeat Purchase	\$2,000.00	10%	no data - this could be drastically under or overestimated
Reseller (Trade) Margin	N.A.	N.A.	
Producer Profit (EBITD)	11%	30%	industry stats

Innovation Status			
Development Status	1 of 5 In Development		the technique has been demonstrated to reliably detect single photon occurrence - development of the technique for the varied application has yet to be accomplished
Cost to First Sale (remaining)	\$100k-\$1M	30%	2-3 engineers would be needed to scale up the technology and adapt it for the various applications
Time to First Sale (remaining)	1-2 yrs	20%	development engineering to scale is left
Confidence in Concept Claims made in description		30%	prototype has been built and tested at NIST Labs and used to find complex patterns in photoelectronic detections
Proprietary Protection Status	2 of 5 Patent Pending		patent application has been filed on the technique

Concept Score & Diagnostics						
Merwyn Concept Score With Confidence Bands			Concept Diagnostics	Red	Yellow	Green
			Percentile Group	Bottom 40%	Middle 40%	Top 20%
Pessimistic 80% odds of at Least	Most Likely 50% odds of at Least	Optimistic 20% odds of at Least	Overt Benefit			
			Reason to Believe			
			Dramatic Difference			
17%	23%	30%				



Inventor Commentary & Alternative Development Scenarios

Inventor(s) Sales Goals			
Minimum Goal	\$75,000	Current GOAL	\$100,000

Photo can go here

Inventor(s) Commentary:

CURRENT SALES FORECAST

Sales & Marketing Support Level	Conservative 80% odds of selling	Most Likely 50% odds of selling	Aggressive 20% odds of selling
Ultra Low	\$0	\$4,200	\$43,000
Low Support	\$66,000	\$200,000	\$490,000
Medium Support	\$570,000	\$1.4 M	\$3.1 M
High Support	\$1.6 M	\$4.0 M	\$8.3 M
Ultra High	\$2.9 M	\$7.5 M	\$15.8 M

If MARKETING CONCEPT Improved
(Increase Concept Score by +20 Points)

Sales & Marketing Support Level	Conservative 80% odds of selling	Most Likely 50% odds of selling	Aggressive 20% odds of selling
Ultra Low	\$0	\$8,800	\$83,000
Low Support	\$130,000	\$390,000	\$930,000
Medium Support	\$1.2 M	\$2.8 M	\$5.7 M
High Support	\$3.2 M	\$7.9 M	\$15.5 M
Ultra High	\$6.0 M	\$14.8 M	\$29.2 M

If PRODUCT/ SERVICE Improved
(Increase Repeat Rate & Number of Repeats by 30% and Revenue Per Purchase 20%)

Sales & Marketing Support Level	Conservative 80% odds of selling	Most Likely 50% odds of selling	Aggressive 20% odds of selling
Ultra Low	\$0	\$5,700	\$57,000
Low Support	\$83,000	\$260,000	\$650,000
Medium Support	\$720,000	\$1.9 M	\$4.1 M
High Support	\$1.9 M	\$5.1 M	\$11.3 M
Ultra High	\$3.8 M	\$9.7 M	\$20.6 M

If MARKETING CONCEPT and PRODUCT/ SERVICE Improved
(Increase Concept +20 Points, Repeat Rate & Number of repeats by 30% and Revenue per purchase 20%)

Sales & Marketing Support Level	Conservative 80% odds of selling	Most Likely 50% odds of selling	Aggressive 20% odds of selling
Ultra Low	\$0	\$12,000	\$110,000
Low Support	\$170,000	\$510,000	\$1.2 M
Medium Support	\$1.5 M	\$3.7 M	\$7.7 M
High Support	\$4.0 M	\$10.1 M	\$20.5 M
Ultra High	\$7.9 M	\$19.0 M	\$38.7 M

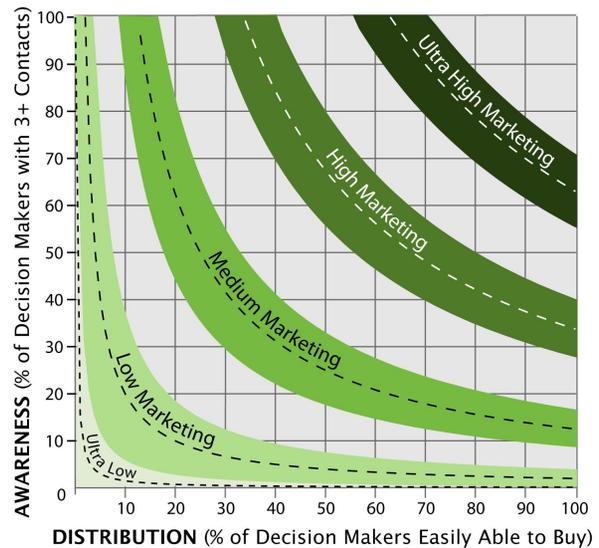


Additional Details

Fair Market Royalty (%)				
	Conservative - 80% Odds Royalty Percentage	Most Likely - 50% Odds Royalty Percentage	Aggressive - 20% Odds Royalty Percentage	
At CURRENT State & Status	1%	1.3%	1.6%	
Sales & Marketing Support Level	Annual Inventor Royalty Revenue			3 Year Value to Inventor If 50% Odds
	80% Odds	50% Odds	20% Odds	
Ultra Low Support	\$71	\$190	\$350	\$560
Low Support	\$1,200	\$2,800	\$4,900	\$8,300
Medium Support	\$9,000	\$19,000	\$31,000	\$57,000
High Support	\$25,000	\$52,000	\$86,000	\$160,000
Ultra High Support	\$47,000	\$99,000	\$160,000	\$300,000

Sales & Marketing Support Level Assumptions				
Sales & Marketing Support Level	Sample Numbers		% Aware x % Distribution (Aware & Able)	Inventor Estimate of Odds
	% Distribution	% Awareness		
Ultra Low Support (Word of Mouth)	5%	3%	0.2%	N/A
Low Support (Small Company)	20%	10%	2%	N/A
Medium Support (Medium Sized Company)	50%	25%	13%	N/A
High Support (Large Company)	75%	45%	34%	N/A
Ultra High Support (Mega or Niche)	90%	70%	63%	N/A

Graph of EQUIVALENT (Awareness x Distribution) Combinations



NAICS Industry Codes For This Invention
33429 - Other Communications Equipment Manufacturing

Patent Numbers that apply to this Product/ Service
12/354,516

Inventor(s) PEDIGREE	
Years EXPERIENCE in related industry	35
GRANTED Patents	1
Licensing Deals SIGNED	0
Innovations that have SHIPPED	4

For USA Patents: Utility Patent = 7 digit number, Design Patent starts with D, Planet Patent starts with PP. Provisional Application "61/ xxx,xxx", Non provisional application "12/ xxx,xxx", Design patent application "29/ xxx,xxx"

CAUTION: This Merwyn Business Simulation Research Report includes no warranty or guarantee. Results and opinions should be considered rough and directional in nature. This is because the report is based upon inventor-supplied data and simplified modeling methods. If you are looking to invest, distribute, purchase or become involved with this innovation, in any way, we strongly urge you to validate the inventor data and sales forecasts BEFORE committing yourself or your resources. Merwyn Research, Inc. shall not be responsible for any liability or damages arising out of the failure to perform such investigation and validation. Changes in the concept description, product, pricing, or input assumptions will almost certainly change results.



Additional Forecasts for Other Countries

Annual Sales - Probability Forecast - for Canada 			
Sales & Marketing Support Level	Conservative 80% odds of selling	Most Likely 50% odds of selling	Aggressive 20% odds of selling
Ultra Low	\$0	\$470	\$4,700
Low Support	\$7,300	\$22,000	\$54,000
Medium Support	\$63,000	\$160,000	\$340,000
High Support	\$170,000	\$440,000	\$920,000
Ultra High	\$320,000	\$830,000	\$1.7 M

Assumptions: exchange rate of \$1.00 US = \$1.01083 CAN; population of 33,390,141

Annual Sales - Probability Forecast - for United Kingdom 			
Sales & Marketing Support Level	Conservative 80% odds of selling	Most Likely 50% odds of selling	Aggressive 20% odds of selling
Ultra Low	£0	£430	£4,300
Low Support	£6,600	£20,000	£49,000
Medium Support	£57,000	£140,000	£310,000
High Support	£160,000	£400,000	£840,000
Ultra High	£290,000	£750,000	£1.6 M

Assumptions: exchange rate of \$1.00 US = £0.50458 UK; population of 60,776,238

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