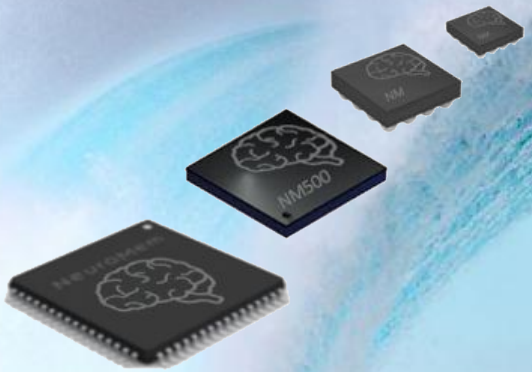
General Vision presents its NeuroMem® AI chip

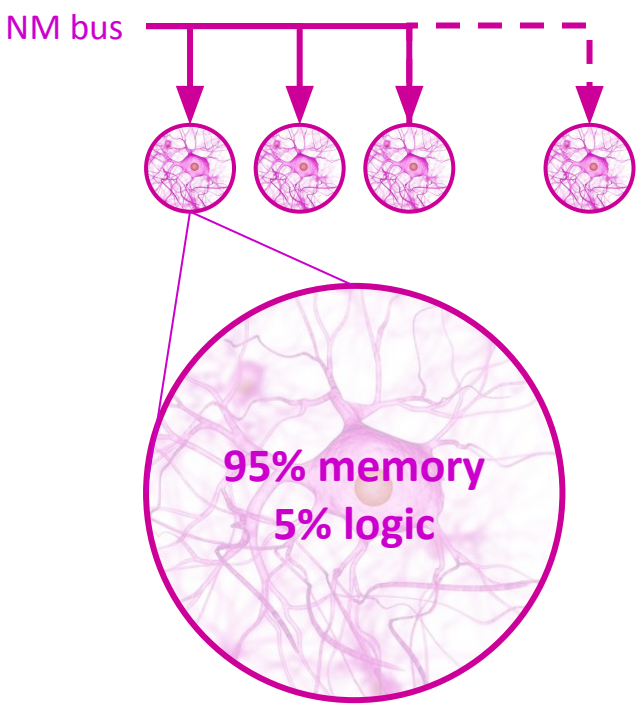


- Real-time lifelong learning
- Always-on pattern recognition
- Anomaly and novelty detection
- Deterministic latency (µsecs)
- Low power (mWatts)
- Explainable AI

General Vision

NeuroMem AI chip

Get ready for the 3rd wave of AI



Chain of identical neuromorphic memories

- Working in parallel
- Exact and fuzzy matching
- Learn by examples

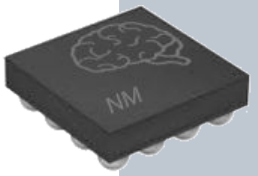
Memory and processing in a same cell

- Deterministic latencies
- Low clock frequency, low power
- Knowledge Traceability

2003, Pulnix ZiCAM
(312 neurons)

- 50 systems, in continuous operation, saving US$2M per boat,
- Trained in deep sea waters by Nordic fishermen
- No cloud access

Technology in high demand	Numerous applications	Across many industries
Machine learning	Computer vision Video analytics	Aerospace
Edge Intelligence	Signal classification Audio recognition	Automotive
Data Analytics	Scientific analytics	Consumer electronics
Predictive maintenance	Semantic & Sentiment	Environment
Failure analysis	Secure communications	Healthcare
Novelty detection		Industrial
		FinTech



General Vision

NeuroMem AI chip

In high demand and available now!

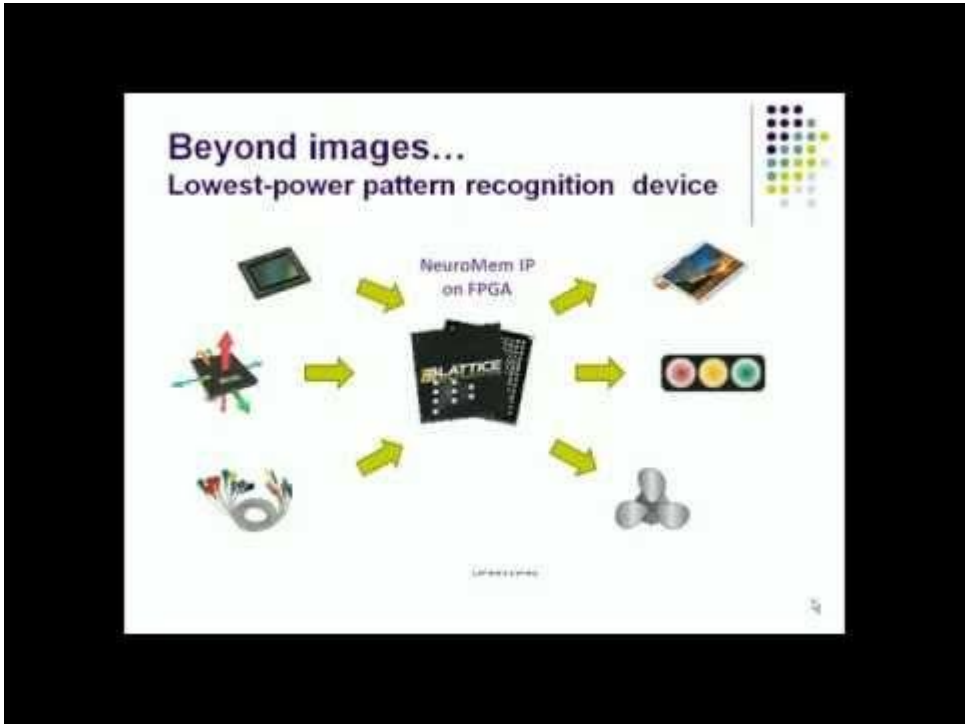


Image to Speech demo

Battery operated

Real-time learning at the edge

Stimuli

Voltage, Torque, Sound, Vibration,

Velocity, Temperature, EEG, etc.

Learning

Supervised learning of normalcy

Unsupervised learning of novelty

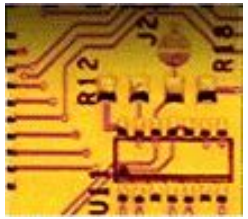
Recognition & Action

Transmit only information of interest

Report drifts and anomalies

Adaptive control







Stimuli

Live video, images, movie files

Learning

Colors, shapes, alignments

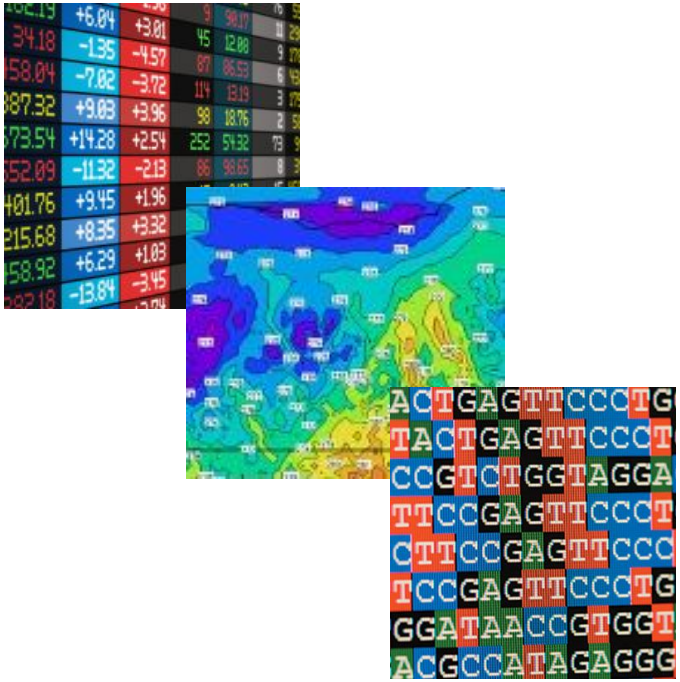
Objects, textures, surfaces

Recognition & Action

Identification, Classification,

Defect and novelty detection,

Target tracking, template matching



Stimuli

Documents, tweets, packet uplinks,

Scientific, financial, marketing data

Learning

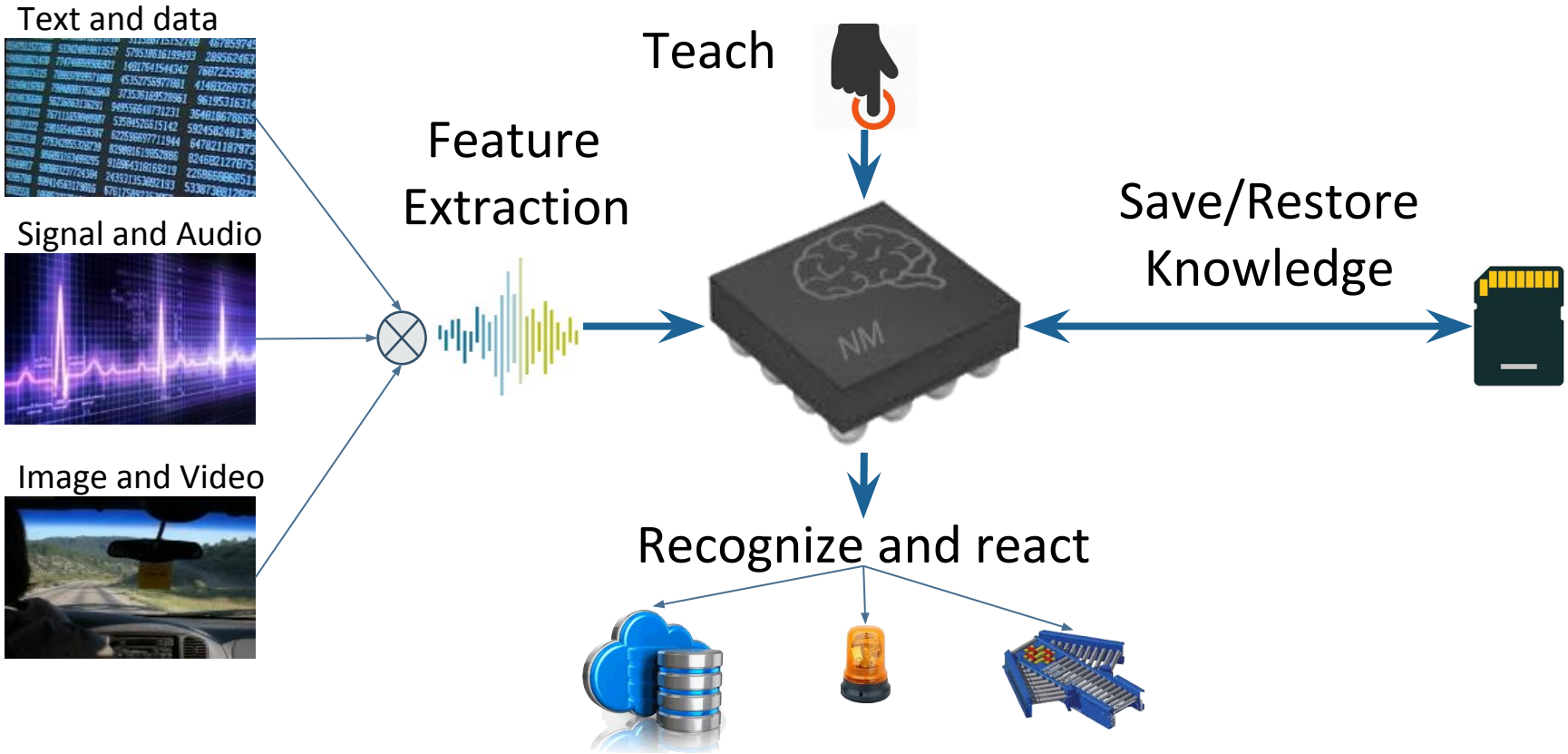
Dictionaries, encrypted lookups

Recognition & Action

Identification, classification,

clustering, drift detection,

trending and prediction

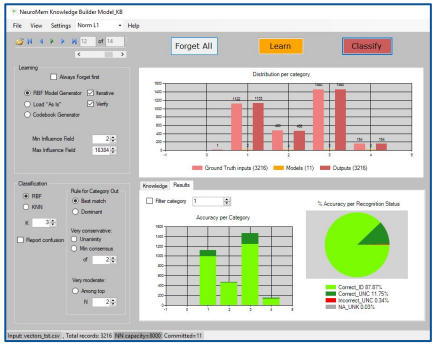


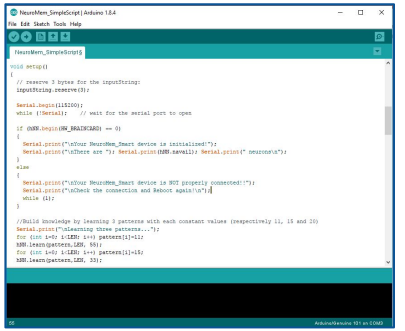
General Vision

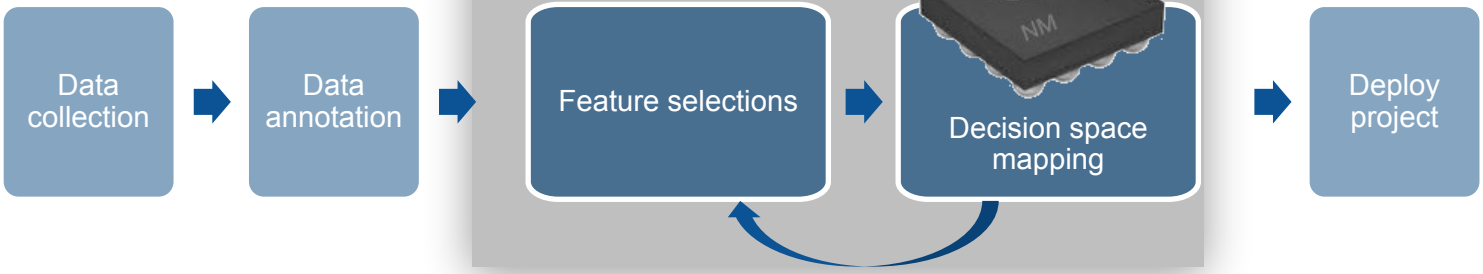
NeuroMem AI chip

A simple interface

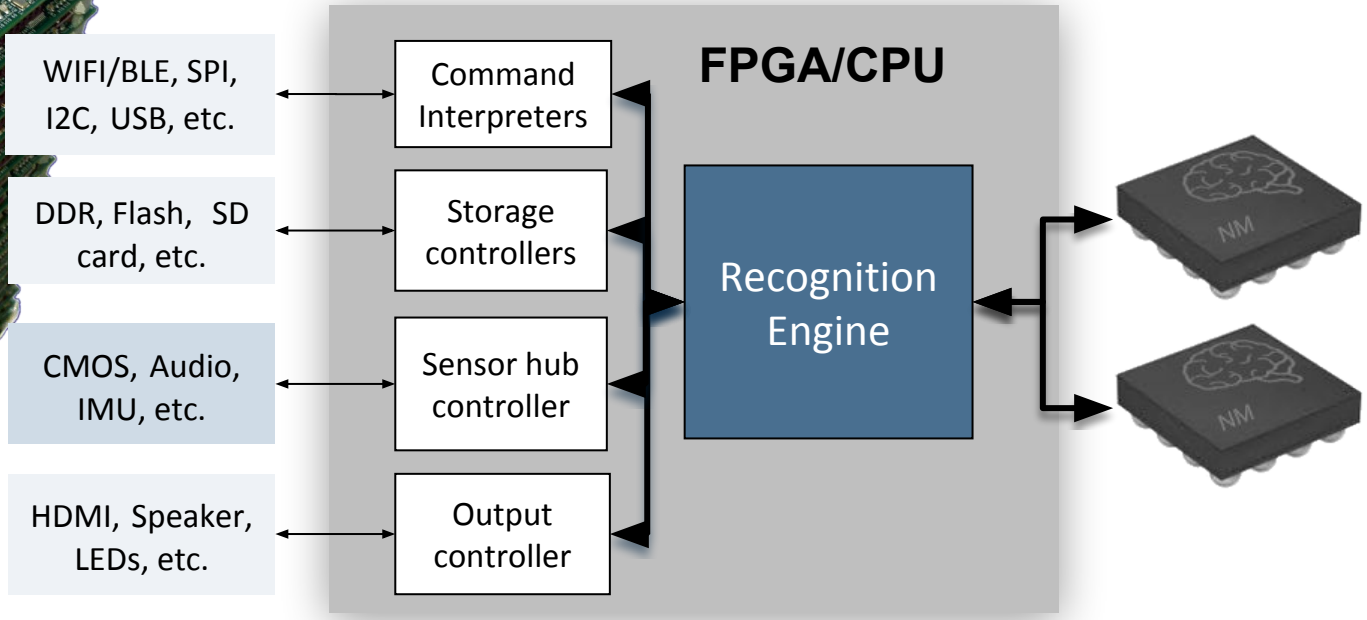
Choice of Apps and APIs







From high-performance computing
To miniature trainable sensors



Proliferation of NeuroMem_Smart sensors with autonomous actuation and selective transmission and storage

Commoditization of NeuroMem_Smart secure IT

NeuroMem_Smart servers and data centers with distributed low-power search engines

Thank you

For more information, please visit us at www.general-vision.com

Or contact us at info@general-vision.com