

DX-AIPlayer N97

Comprehensive AI computing solutions designed for peak performance, reliability, and efficiency



DEEPX's Product Longevity Policy commits to a **product life cycle of at least 10 years** to support stable design and business continuity for our customers.

Specifications

Feature	Details
CPU	Intel® Processor N97
Memory	RAM: 8GB LPDDR5
Graphics	Intel® UHD Graphics for 12th Gen Intel® Processors
	H/W Decoder : H.264/265 8CH (1080P @ 30fps)
Storages	eMMC Onboard 64GB
Ethernet	Gb Ethernet (full speed) RJ-45 × 2
WIFI/BT	Optional with M.2 2230 E-key x 1
Expansion Slot	M.2 2230 E-Key x 1 (PCIe x1, USB2.0 ×1)
	M.2 2280 M-Key x 1 (PCIe x2)
AI Accelerator (DX-M1 M.2)	AI Perf: 25 TOPS / 5W
	Form Factor: M.2 M Key (22 × 80 mm)
	Interface: PCIe Gen.3 × 4
	Memory: 4GB LPDDR5
Security	Onboard TPM 2.0
OS Support	Windows 11/10
	Debian-based Linux (Ubuntu 24.04/22.04/20.04 LTS)
AI Frameworks	Ultralytics, TensorFlow, PyTorch, ONNX, Keras
Power Requirement	12V DC-in, 5A
Power Supply Type	AT/ATX
Power Consumption	15W ~ 37W (Typical)
Mounting	VESA Mounting
Dimensions	95 mm x 95 mm x 55 mm
Operating Temperature	0°C ~ 60°C / 0.5 airflow
Operating Humidity	0% ~ 90% relative humidity, non-condensing

Overview

The DEEPX DX-AIPlayer are advanced, high-efficiency AI systems engineered to bring server-grade inference capabilities directly to the edge. Leveraging the proprietary DEEPX® DX-M1 M.2 AI accelerator, this series provides the industry-leading performance, power efficiency, and flexibility required for next-generation applications in Smart City, Smart Factory, Robotics, and intelligent Surveillance Systems.

Target Applications

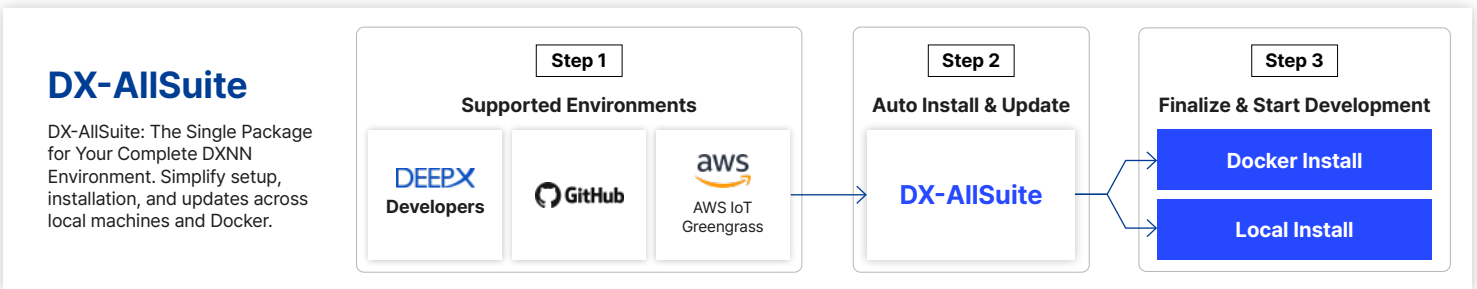
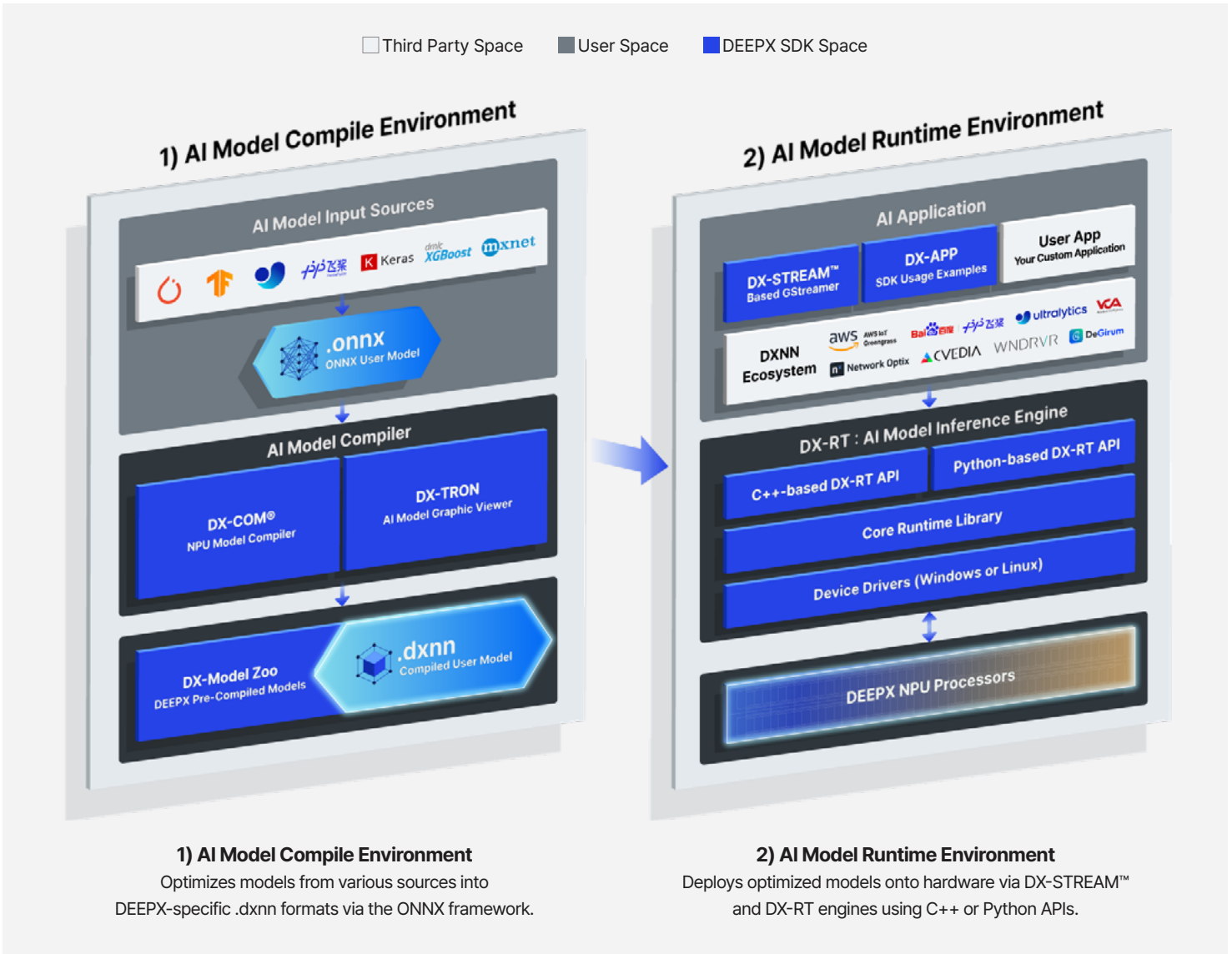
- Edge Cameras Systems
- Smart Mobility
- Smart Factory
- Smart Cities
- Robotics
- Drones
- Smart Homes
- Smart Retail

DEEPX

DXNN® - DEEPX SW Development Kit

DXNN® (DEEPX Neural Network) SDK streamlines the AI deployment pipeline on DEEPX NPUs. By integrating essential tools for compilation, optimization, simulation, and inference, it ensures high development efficiency. Experience a ready-to-use development environment with DX-AS (All Suite), a fully integrated and version-aligned package designed for rapid scaling.

DXNN SDK Full Stack Architecture



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