



NVIDIA BLUE - The Future of Robots is Here!

Explore the next generation of lifelike robots blending AI, emotion, and iconic storytelling.



Welcome to the World of **BLUE!**



Introducing BLUE

Collaboration: NVIDIA, Disney Research, Google DeepMind



First Debut

Showcased at NVIDIA GTC 2025



Next-Gen Droid

Emotion, expression, intelligence

Who Made BLUE and Why?

NVIDIA

AI & robotics leadership

Disney Research

Storytelling & character animation

Google DeepMind

Advanced machine learning

Goal

Real-life expressive robots

Inspired by Star Wars magic

The partnership combines cutting-edge AI, robotics expertise, and creative storytelling to bring BLUE to life as a breakthrough in emotionally expressive robots designed for real-world interaction.



Who is BLUE?

Movie-Like Droid

Expressive, emotional movements

Star Wars Inspiration

Resembles R2-D2 and BB-8

Human Interaction

Built for real-world engagement

AI & Physics Powered

Advanced motion and behavior



How BLUE Works (The Tech Explained)

Newton Physics Engine

- Real-time physics via NVIDIA Warp GPU
- Natural movement & balance

Dual NVIDIA Jetson

- Vision & motion planning
- Reinforcement learning behaviors
- Facial and gesture detection

Sensory Systems

- Cameras, touch sensors, microphones
- Voice and interaction cues

Expression Engine

- LED face shows emotions
- Gesture system for playfulness

AI learns and adapts to familiar users in real time.



The Star Wars Connection



Expressive & Lovable

Emotion-filled beeps and gestures



Inspired by Iconic Droids

Resonates with Star Wars fans



Real Interaction

Engaged with NVIDIA CEO live

Real-World Magic

Disney Parks Debut

Global attractions
appearance

Movement

Walks, rolls, nods,
follows guests

融合 Robotics & Storytelling

Seamless animation
and character magic



Made with GAMMA



Amazing Facts About BLUE

LED Expressions

Dynamic emotional display

Interactive Reactions

Responds to hugs, waves, tones

Personality

Playful, curious, brave traits

Joint Design

AI experts & Disney animators



The Future of Robotics is Now

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BLUE Debuts

First step to lifelike robots

Isaac GROOT

New humanoid AI platform

Open Source

Empowering future robots globally

Final Thoughts - Why BLUE Matters



Tech Fusion

AI + Robotics + Emotion



More than Machines

BLUE is character and companion



Sci-Fi Reality

Turning dreams into real tech

