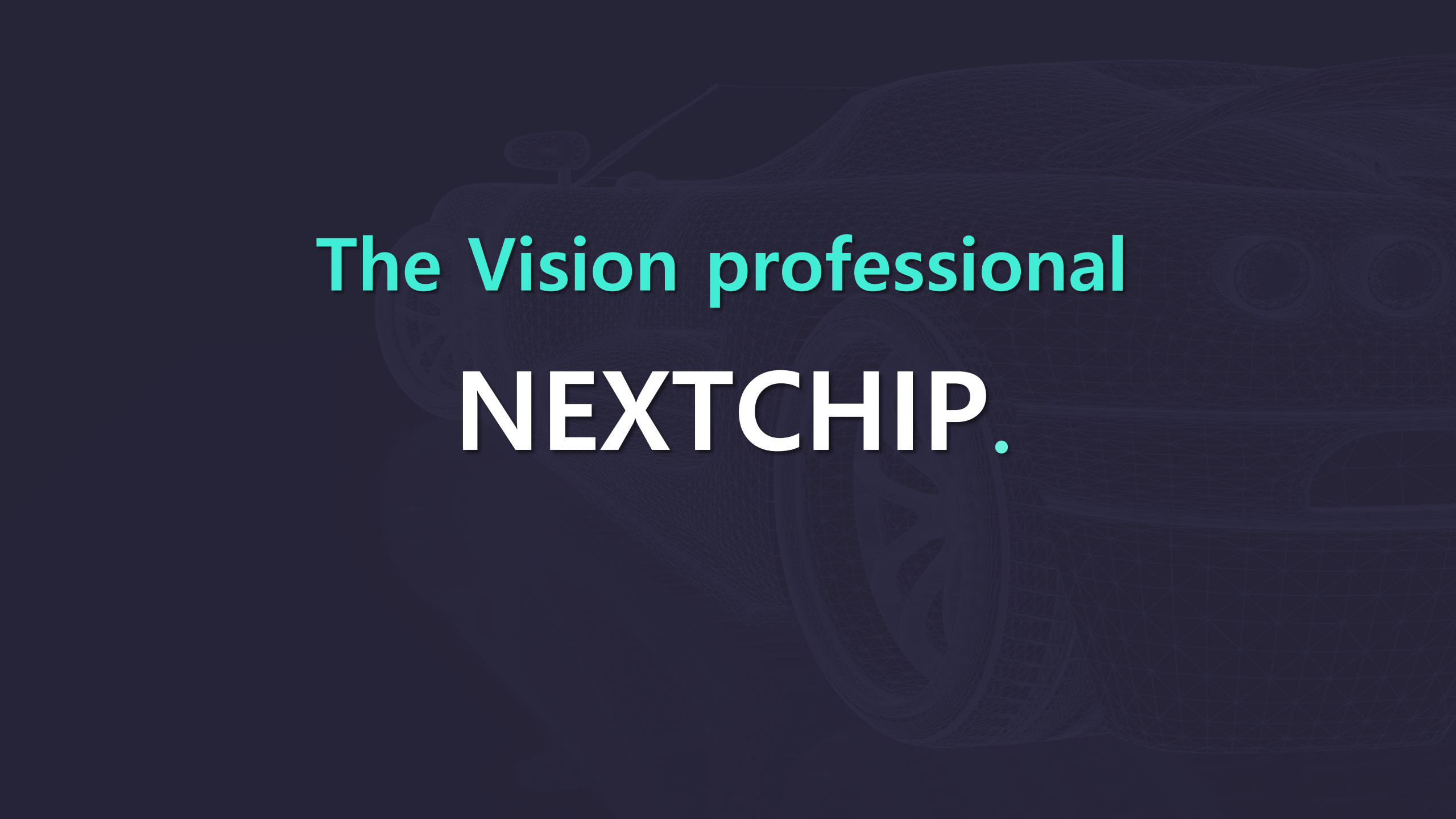


A dark blue background featuring a faint, wireframe-style illustration of a sports car, likely a Ferrari, viewed from a front-three-quarter angle. The car's lines are composed of a fine grid of light blue or white lines, giving it a technical, architectural feel. The car is positioned behind the text, which is centered horizontally.

The Vision professional **NEXTCHIP.**

NEXTCHIP at a glance : Automotive Semiconductor Vendor

- Establishment : 1997, Republic of Korea
- Spin-off : 2019
(restructured into a specialized automotive company)
- Listing : 2022 (KOSDAQ)
- ESG : EcoVadis Bronze



Leading Vision Technology

- Developing & Optimizing in-house
Vision Core: Image Signal Processing
Tech. for 28-yr.
- **Track Record** in Vision ADAS
- **Tuning Capability**
for Human & Machine Vision
- **Open Architecture** with various
Image Sensor, as well as CFAs
- ADAS SoCs with CNN capability

Expert in ASIC Design Technology

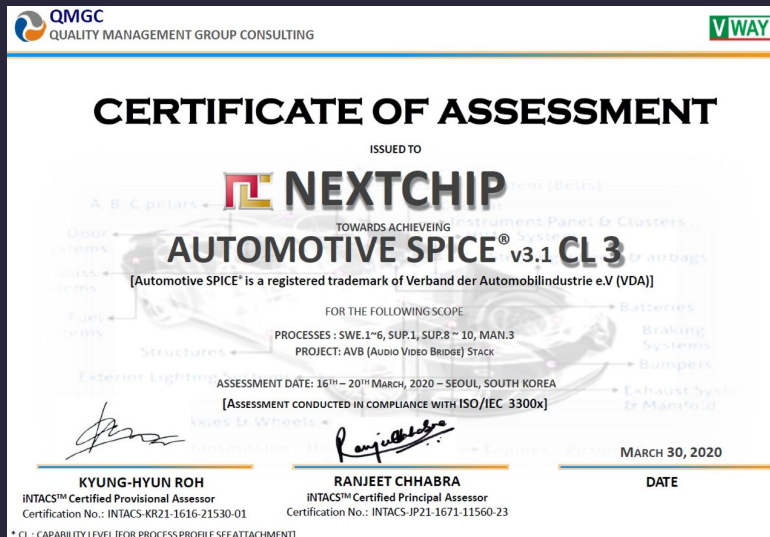
- Automotive Process Foundry experience;
5nm/14nm/28nm/55nm/60nm/95nm
Samsung/Global Foundry/USJC/TSMC

Skilled in Reliability

- ISO26262: FSM ASIL-D Capable
- Cybersecurity (on-going)
- CMMI Lv.-3
- ASPICE GL3
- AEC-Q100 Gr.2 lineup

NEXTCHIP : Skilled in Reliability

- CMMI-DEV Lv.3 (Capability Maturity Model Integration)
- A-Spice Process (v3.1 CL3)
- FSM ASIL-D capable (Functional Safety Management)
- ISO/IEC27001 certified
- CSMS (Cybersecurity Management System) in progressing
- TSAX® in planning





NEXTCHIP at a glance : Sales & Partner Networks

Office

- **Shenzhen** (operation for 12yr.)
- **Germany** (reopen plan - Frankfurt/or Munich)
- **USA** (reopen plan - MI, Detroit)

Business Development Partner

- **Germany** (Göppingen, Munich)
- **US** (San Jose)
- **Japan** (Tokyo)
- **China**

Facilities

- **Samsung** (Austin, US TX)
- **USJC** (Mie, JP)
- **Global Foundry** (Singapore)
- **AMKOR** (Korea)
- **TICP** (Taiwan)
- **ITEK** (Korea)





Identity : Automotive Semiconductor Vendor

3-Core Technology

SEE

ISP

See as Human vision

SENSE

ADAS SoC

Sense by Machine vision
Deep Learning based

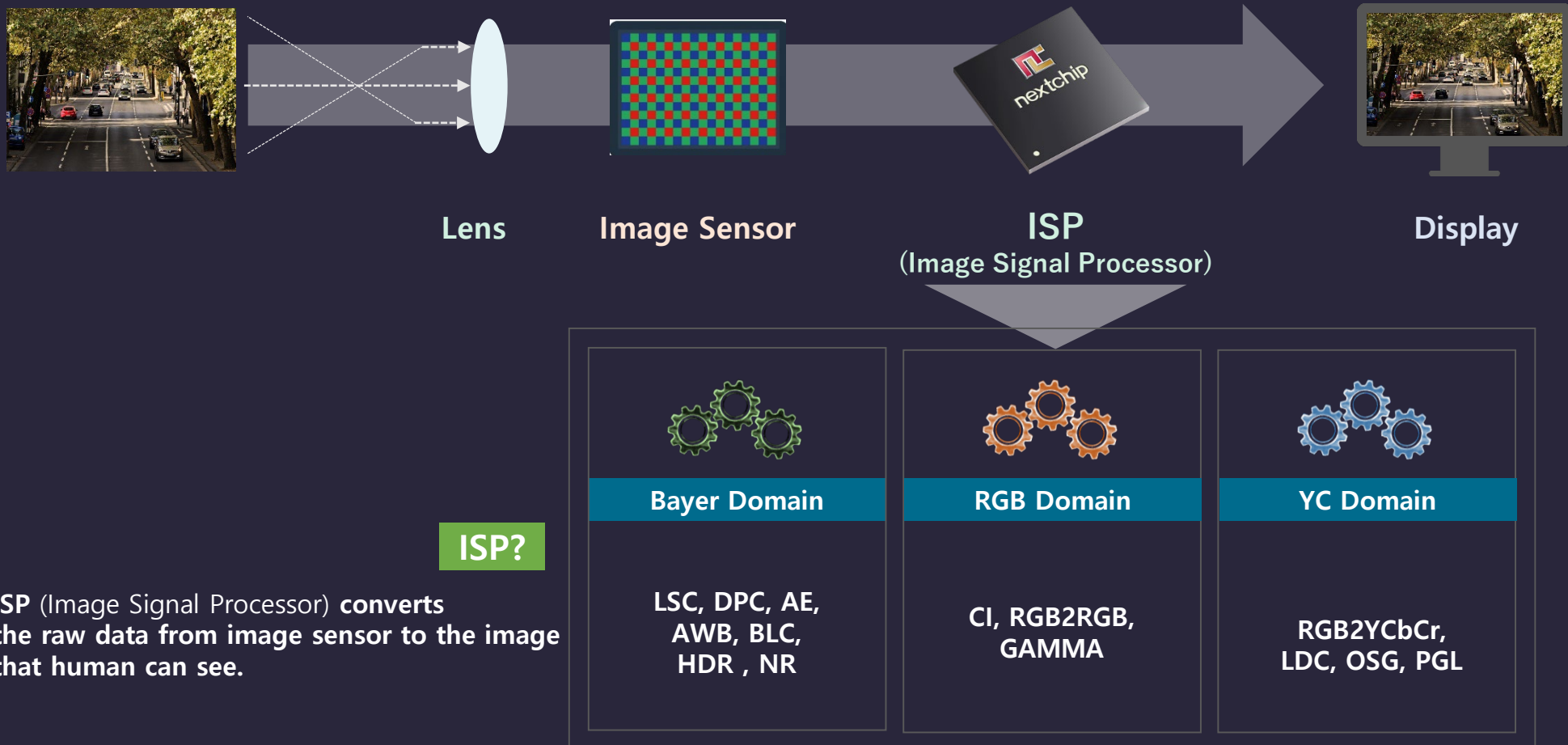
SEND

AHD™

Transmit via Analog
The higher resolution

Core Technology – Image Processor (ISP)

- ✓ An image sensor is an electronic device that converts an optical image into an electronic signal.



Core Technology – AHD™ Analog Transmission

- ✓ Cable driven technology for high definition image over analog signal.

Proposal of AHD™ In Automotive

Mass Produced In Automotive	One chip Solution (ISP+TX)
Various Resolution Supported	Various Cable Supported (UTP, DIY)

- ✚ Image Quality
- ✚ Real-time transmission
- ✚ Long Reach



All-time Great Technology for Long-body and Affordable cars



Core Technology – ADAS SoC

✓ NEXTCHIP Vision Based ADAS SoC

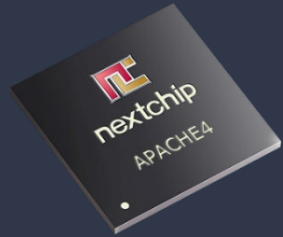
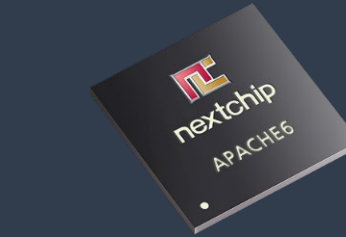
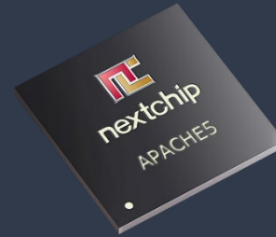


Image Edge Processor

AI Powered Camera

Computer vision (mACF)
Hard-wired Detection Engine(PD/VD/LD/MVD)

- ISP : Single ISP (upto 5.7Mpx)
- CPU : ARM Cortex R5F (DLS+Single)
- DSP : CEVA-XM4 (600MHz)
- Functional Safety (ASIL-B)



Purpose Fit-in Processor

FIT Domain Controller

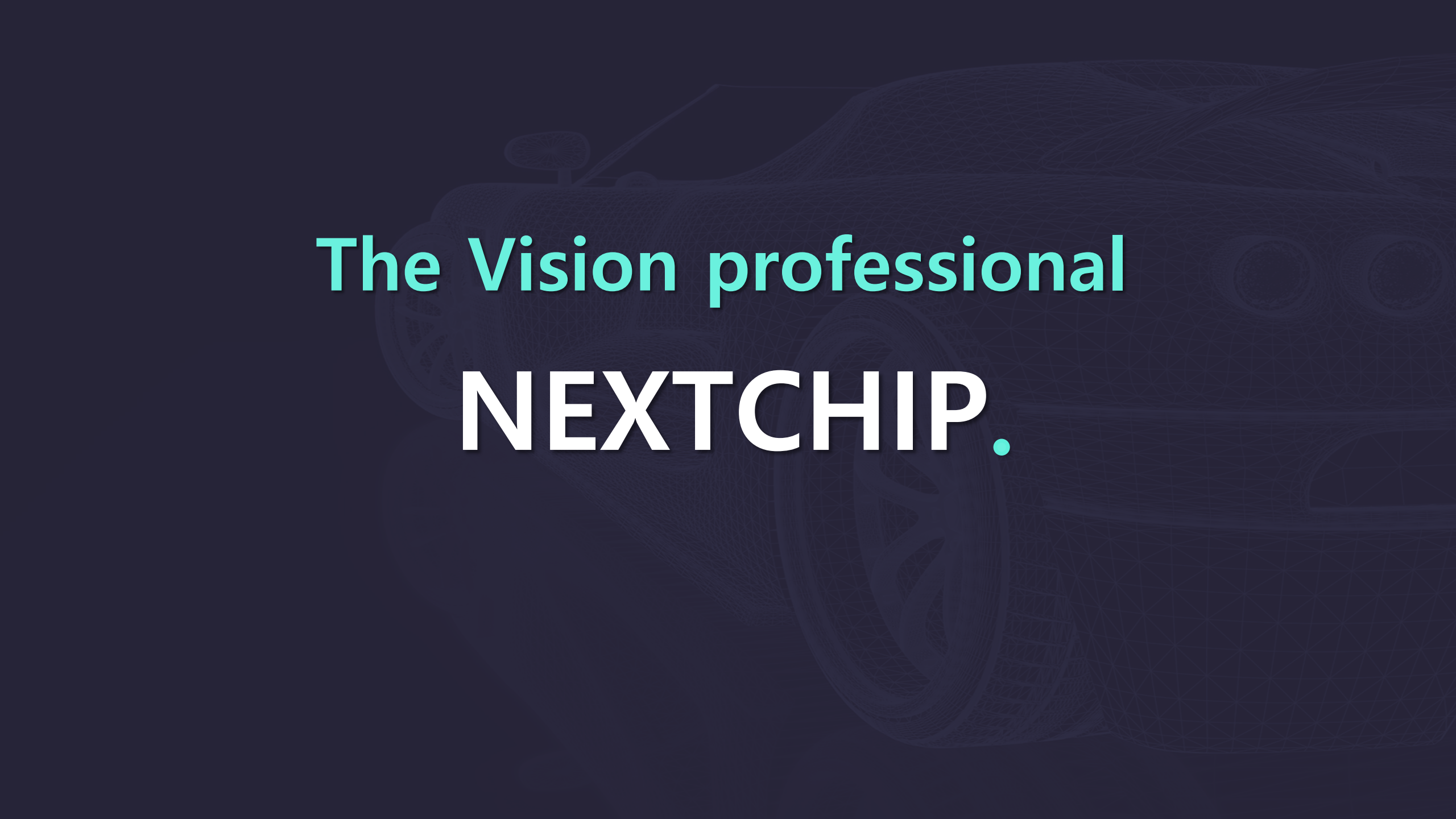
NCAP & GSR Target

CNN-based NPU (1.6 TOPS)

- ISP : Single ISP (upto 5.7Mpx)
- CPU : ARM Cortex A53 Quad@1GHz
- NPU : 1.6TOPS @800MHz
- Functional Safety (ASIL-B)

CNN-based NPU (12TOPS)

- ISP : Multiple ISP (2-CH 8Mpx)
- CPU : ARMv8-64bits Quad core @1.5GHz
- NPU : 12TOPS @1.3GHz / GPU
- Mali G78E >94GFLOPS
- VSLAM Accelerator embedded
- Functional Safety (ASIL-B)

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The Vision professional
NEXTCHIP.