AMBARELLA AT A GLANCE

Ambarella’s products are used in a wide variety of human vision and edge AI applications, including video security, advanced driver assistance systems (ADAS), electronic mirror, drive recorder, driver/cabin monitoring, autonomous driving and robotics applications. Ambarella’s low-power systems-on-chip (SoCs) offer high-resolution video compression, advanced image and radar processing, and powerful deep neural network processing to enable intelligent perception, fusion and planning. For more information, please visit www.ambarella.com.

MARKETS & APPLICATIONS

Automotive
- ADAS to L4 Autonomous Driving
- Driver/Occupant In-Cabin Monitoring
- Electronic Mirrors
- Dash-Cams & Drive Recorders
- Fleet Management
- 360 Surround View w/ Parking Assist

Physical Security
- Enterprise
- Smart Home
- Access Control
- Body Worn Cameras

Robotics
- Autonomous Mobile Robots
- Industrial Robots
- Consumer Robots
- Robotics Perception Modules

Consumer & Commercial Cameras
- Video Conferencing
- Smart Retail
- Sports, Handhelds & Drones
- Smart Appliances
- VR Cameras

TECHNOLOGY LEADERSHIP

Central AI Perception, Deep Fusion & Decision-making
- Raw Centralized Radar Processing
- Multi-Sensor Perception
- Detection, Classification & Segmentation
- Path Planning

Deep Learning AI Inference Processors & Software
- CVflow™ AI Engine
- Best AI Performance Per Watt
- Full AD Software Stack
- Oculii™ Adaptive AI Radar Software
- Edge Transformer Network Support

Superior Image Signal Processing
- HDR
- RGB-IR
- 360 Dewarp
- 4K Neural Network ISP

RECENT AWARDS

2019: Bosch Global Supplier Award
2021: CV2 SoC Family Awards –
  - Electronics Weekly Elektra Award
  - Design World LEAP Award
2022: GSA Most Respected Public Semiconductor Co.
  Five CV3-AD SoC Family Awards –
  - AutoSens Award
  - Vision Systems Design Innovators Award
  - Electronics Weekly Elektra Award
  - Design World LEAP Award
  - CIE Electronics Industry Award
2023: CV3-AD SoC Family - CES Innovation Award
  Centralized Radar Architecture – Vision Systems Design Innovators Award
  Forbes America’s Best Small Employers

EXECUTIVE TEAM

Fermi Wang: Chief Executive Officer
Les Kohn: Chief Technology Officer
Brian C. White: Chief Financial Officer
Chan Lee: Chief Operating Officer
John Ju: Senior VP, Systems & GM, Asia Design Centers

EMPLOYEES

900+

OFFICES

United States
Taiwan
China
Japan
Korea
Hong Kong
European Union

MILESTONES

Ambarella Founded
A2 First 1080P60 SoC for Camcorders
CVflow AI Architecture
CV25S/CV22FS (ASIL B)
CV28 SoCs
CVflow Automotive OEM Solutions
CV2 CV22 SoCs
CV25 SoC
CVS CV62 SoCs
CVS-AD (ASIL B) SoC

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