- Model level
- Algorithm level
- System level

Flamingo

FLAVA

Perceiver-VL

GPT-4V

LLaVA

BLIP-2

Grok-1.5V

Gemini1.5

SparseVLM

LOOK-M

EdgeShard

Bunny

Dynamic-LLaVA

FastV

ST^3

Gemini 3 Flash

Eve

FastVLM

SmolVLM

FAST

Nova

NVILA

Spec-VLA

MPIC

AdaRETAKE

MEDA

MiniCPM-V

TopV

2022

2023

2024

2025