

IFV 700 | SMART CAMERA

• **APTIV** •



KEY BENEFITS & VALUE DRIVERS

- Wide field of view (100°x70°) for broad scene coverage
- High-resolution imaging with LED flicker mitigation and HDR
- Supports GSR2 compliance with vision-only features
- Fusion-ready with up to 5 radars for enhanced perception
- Affordable and scalable for L0–L2 ADAS applications
- Compact design with flexible software bundling

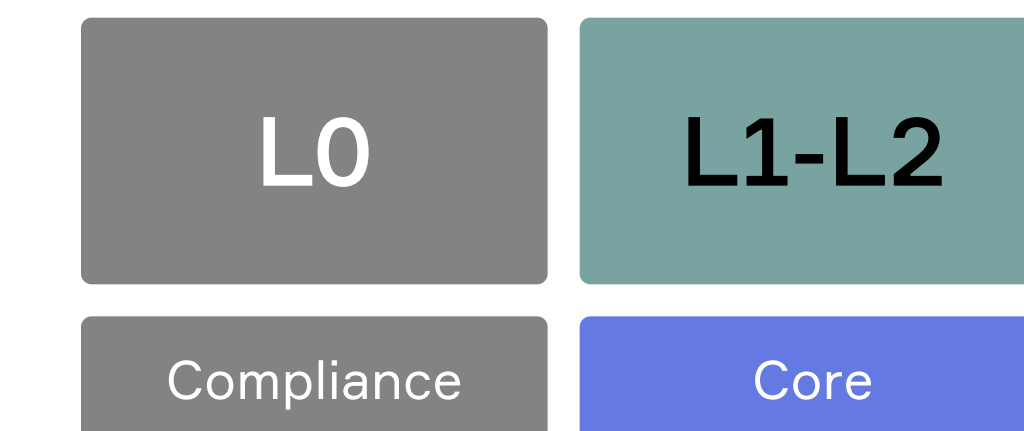
AVAILABLE NOW

TECHNICAL DETAILS

VISION PERCEPTION



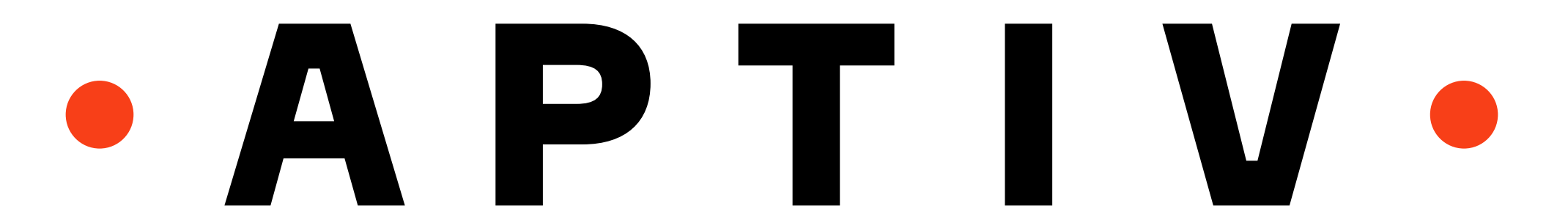
APPLICATION SEGMENT



IMAGER	Reference Resolution Pixel Array Pixel Size Shutter Color Filter Array	OVT X3F 3 Megapixel 1920 x 1536 3 μm Rolling RCCG
OPTICS	Lens Field Of View F#	To be disclosed 100° x 70° 1.46
PROCESSING	Vision Processor/MCU Vision Flash Vision RAM	TDA4AE 128 MB 512/1024 MB
HEATER POWER SUPPLY		(Optional)
PACKAGE SIZE (MM³)		72 x 86 x 36
INTERCONNECT		1-4 CAN-FD, up to 2x Ethernet

SAMPLE SUPPORTED FEATURES	Vision Only Radar Fusion	AEB, ACC, LDW/LKA, TSR, AHBC BSD, LCA, CTAB
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IFV 800 | SMART CAMERA



KEY BENEFITS & VALUE DRIVERS

- Cost effective monolithic SOC Architecture
- Scalable from affordable regulation compliant to L2+ hands free
- Occupant monitoring processing embedded (DMS/OMS)
- Designed to fulfill GSR2 compliance and to support 5* EUNCAP '29
- Enabling FMVSS 127 and FMVSS 208 compliance
- Hosts 360° low level fusion with up to 5 radars
- Features hands free L2+ highway assist without the need of HD maps
- DDR5 ready for elevated supply chain resiliency
- Processing headroom for future OTA feature upgrades

AVAILABLE FROM: Q1 2027

TECHNICAL DETAILS

VISION PERCEPTION



APPLICATION SEGMENT



IMAGER	Reference Resolution Pixel Array Pixel Size Shutter Color Filter Array	To be disclosed 8 Megapixel 3840 x 2160 2.1 μ m Rolling RCCG
OPTICS	Lens Field Of View F#	To be disclosed 120° x 53.9° 1.46
PROCESSING	Vision Processor/MCU Vision Flash Vision RAM	To be disclosed 256 MB 1024 MB
DRIVER		LED (DMS), VCSEL (OMS), Heater
PACKAGE SIZE (MM³)		72 x 86 x 36
INTERCONNECT		1 to 4 CAN-FD, upto 2 ETH 100Mbit, Fakra (DMS/OMS)

SAMPLE SUPPORTED FEATURES	Vision Only Radar Fusion	AEB, ACC, LDW/LKA, TSR, AHBC BSD, LCA, CTAB, L2+ Hands free
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