

IMMERVISION 

see more, smarter

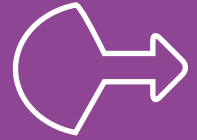
Smart Vision for your Device

BIG PICTURE

WIDE-ANGLE
OPTICS

**SENSOR
FUSION**

IMAGE
PROCESSING



To enable devices with superhuman sight and unlock the full potential of AI, device designers need to augment sight with multi-sensory data. Through a radical shift in multi-sensor data integration, our **Data-in-Picture technology** solves the pain points of legacy video metadata, offering significant benefits.

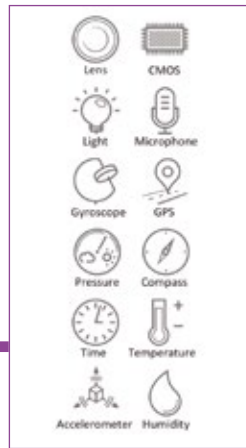
With Data-in-Picture, meta-information is embedded directly into the pixels of videos and stills. For perfect image-data synchronization, this meta-information is dynamically collected, synchronized and stored in each frame. The result is a single image or video file with robust and persistent data ready for smarter applications.

WITHOUT DATA-IN-PICTURE



STORED SEPARATELY

Visual data and contextual metadata from sensors stored separately.



METADATA: contextual information captured from the environment of the sensor, the device or the user.

WITH DATA-IN-PICTURE



EMBEDDED

Contextual metadata from sensors and visual data are stored together in video frame pixels.

DATA-IN-PICTURE ENABLES:

- Sensor fusion
- Multi-platform real-time distortion correction
- Electronic image stabilization (EIS)
- Image quality preservation
- Augmented sensing for AI
- Fog-cloud contextual data sharing
- Reduced cloud traffic and processing
- Real-time, on-demand, VR spherical video stitching and viewing
- 360° ambisonic audio stabilization
- Extended battery life due to reduced power consumption

	Without Data-in-Picture	With Data-in-Picture
Processing speed	●	●
Platform compatibility	●	●
Data Integrity and synchronization	●	●
Integration and development cost	●	●
In-context information	●	●
Low power (extended battery life)	●	●

BIG PICTURE

WIDE-ANGLE OPTICS

SENSOR FUSION

IMAGE PROCESSING

DEEP SEEING
[dēp-sēiNG]

Deep Seeing enables smart devices with augmented vision. By capturing high quality visual and contextual data in new ways, it unlocks the potential of artificial intelligence. Like superhuman eyes for your smart device.

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