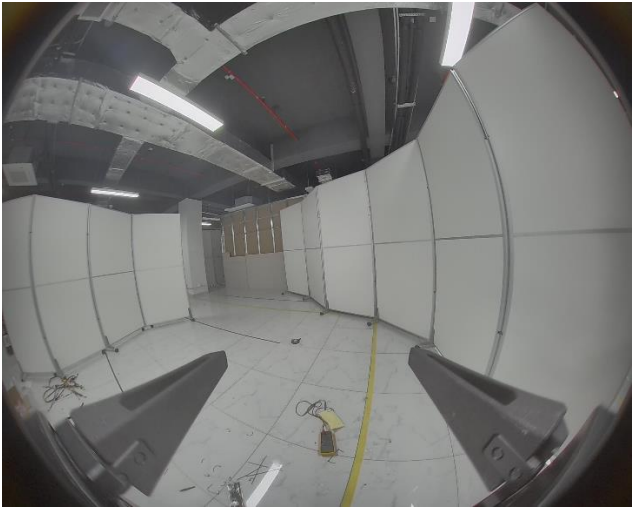


Comparison Item	GMSL Fisheye Camera	Intel RealSense D405
Resolution	1920 × 1536	1280 × 720
Field of View (FOV)	Approx. 185° ultra-wide fisheye	Approx. 87° × 58° standard field of view
Depth Sensing	✗ Not supported	✓ Hardware-based depth sensing (0.1–0.6 m)
Transmission Protocol	GMSL2 (industrial-grade)	USB 3.0 (consumer-grade)
Interference Resistance	Strong, with coaxial shielding	Moderate; more susceptible to electromagnetic interference
Latency Stability	Low-latency, deterministic transmission	Dependent on host scheduling and may experience latency jitter
Long-Term Operating Stability	Designed for 24/7 industrial operation	May overheat and reduce performance during prolonged operation
Multi-Camera Synchronisation	Precise hardware-level synchronisation	Software-based synchronisation

Field-of-View Illustration **GMSL Fisheye Camera**



Field-of-View Illustration **Intel RealSense D405**

