# AnchorCam Stereo

Stereo camera for robot-learning data · P28 board · Updated 11 November 2026

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| CAMERAS | 2 × onsemi AR0234, global shutter, 1920 × 1200 each |
| BASELINE | 70 mm |
| FIELD OF VIEW | Chosen at order.<br>Standard lens: about 114° horizontal, 140° diagonal.<br>Low-distortion lens: about 110° horizontal × 83° vertical.<br>Lens makers' figures at 1920 × 1200. |
| TIME SYNC | One hardware trigger: both cameras + IMU |
| SYNC I/O | Trigger-in, strobe-out |
| IMU | 9-axis: TDK ICM-42631 + MEMSIC MMC5983MA |
| COMPUTE | Rockchip RV1106G3, 1 TOPS NPU |
| RECORDING | Both cameras at 1920 × 1200, 30 fps. Records on its own to microSD, H.264 / H.265 |
| WIRELESS | Wi-Fi 6, Bluetooth LE 5, over-the-air updates |
| AUDIO | Stereo, 2 × MEMS microphones |
| POWER | USB-C or power bank. Battery optional |
| WEIGHT | Under 80 g; under 95 g with battery |
| MOUNT | GoPro-style, built into the shell |
| BOARD | 134 × 28.7 mm, 8 copper layers |

MEASURED ON P28 BOARD 1

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| IMU TO FRAME | 2.5 µs median, 13.9 µs largest, over 5,153 frames |
| WALK TEST | 92 m walked, head-mounted; back at the start within 2.1 cm (SLAM, loop closure on) |

ORDER

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| PRICE | USD 240 a unit; battery +USD 20 |
| DELIVERY | Within 3 weeks, or your money back |
| UNITED STATES | Sold as an evaluation kit to developers and integrators (47 CFR §2.803). For evaluation only; not FCC approved for resale. |
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