LIKIU

Likiu GIM Imaging Payloads & AI Modules





LIKIU | IMAGING PAYLOADS

Civilian UAV imaging payloads and AI vision modules for inspection, mapping and observation. The supplied Manual and Catalog use different designations for closely matching gimbal configurations; these are consolidated here to avoid duplicate products. Confirm the exact model designation and technical configuration before ordering.

Company: Zhongke Likiu (Jinan) Robot Co., Ltd.
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Source: user-supplied Likiu Drone Manual and 产品目录Catalog.pdf. This is a clean derivative limited to the products in this booth. Specifications are not an offer, warranty or certification. Confirm model, configuration and compliance before purchase.

Likiu GIM-T1-48 Single-Light UAV Gimbal Camera



Single-light stabilized UAV imaging payload for inspection and observation. Source specification text is available in the booth catalogue.

- **Model:** GIM-T1-48
- **Type:** Single-light UAV gimbal camera
- **Source:** 产品目录Catalog, PDF page 12
- **Note:** Detailed configuration is subject to the supplied catalogue and quotation.

Likiu GIM-T2-D48 Dual-Spectrum UAV Gimbal Camera



Dual-spectrum imaging payload with dual 48 MP visible-light sensors, 100× zoom and AI-assisted inspection support.

- **Wide-angle camera:** 48 MP, 1/2-inch Sony CMOS, 4.5 mm
- **Telephoto camera:** 48 MP, 1/2-inch Sony CMOS, 25 mm
- **Hybrid zoom:** 100×
- **Video resolution:** 4K at 30 fps
- **AI computing power:** 6 TOPS
- **Weight:** 150 g ± 10 g
- **Protection rating:** IP44
- **On-board storage:** 128 GB
- **Source:** Likiu Drone Manual, PDF page 13 (PRO Dual-Light Gimbal); 产品目录Catalog, PDF page 13 (GIM-T2-D48)

Likiu GIM-T3-48 Tri-Sensor Thermal UAV Gimbal



Three-axis imaging payload combining a 48 MP camera, thermal imaging and laser ranging for industrial inspection.

- **Visible-light camera:** 48 MP, 1/2-inch Sony CMOS
- **Infrared camera:** 640 × 512, 9 mm focal length
- **Laser rangefinder:** 1500 m
- **AI computing power:** 6 TOPS
- **Weight:** 180 g
- **Video resolution:** 4000 × 3000 at 30 fps
- **Protection rating:** IP44
- **On-board storage:** 128 GB
- **Source:** Likiu Drone Manual, PDF page 14 (3TC); 产品目录Catalog, PDF page 14 (GIM-T3-48)

Likiu GIM-T3-D48 Wide/Telephoto Thermal UAV Gimbal



Three-sensor gimbal with wide-angle, telephoto and thermal imaging for patrol, emergency response and infrastructure inspection.

- **Wide-angle camera:** 48 MP
- **Telephoto camera:** 48 MP
- **Thermal imaging:** 640 × 512
- **AI computing power:** 6 TOPS
- **Weight:** 180 g
- **Video resolution:** 4000 × 3000 at 30 fps
- **Protection rating:** IP44
- **On-board storage:** 128 GB
- **Source:** Likiu Drone Manual, PDF page 15 (3T); 产品目录Catalog, PDF page 15 (GIM-T3-D48)

Likiu GIM-T4-D48 Quad-Spectrum UAV Gimbal



Compact multi-sensor imaging payload with wide-angle, telephoto, thermal and laser-ranging functions.

- **Wide-angle camera:** 48 MP
- **Telephoto camera:** 48 MP
- **Thermal imaging:** 640 × 512
- **AI computing power:** 6 TOPS
- **Weight:** 185 g ± 5%
- **Video resolution:** 4000 × 3000 at 30 fps
- **Protection rating:** IP44
- **On-board storage:** 128 GB
- **Source:** Likiu Drone Manual, PDF page 16 (3TF); 产品目录Catalog, PDF page 16 (GIM-T4-D48)
- **Note:** Focal-length discrepancies within the source page require confirmation before ordering.

Likiu GIM-T4-22x Quad-Sensor Thermal UAV Gimbal



Quad-sensor payload with dual visible-light cameras, thermal imaging and laser ranging for detailed inspection.

- **Visible-light camera:** 48 MP
- **Wide-angle focal length:** 24 mm; 11× hybrid zoom
- **Zoom camera focal length:** 81–270 mm; 22× lossless zoom
- **Thermal imaging:** 640 × 512
- **Laser rangefinder:** 1200 m
- **AI computing power:** 6 TOPS
- **Weight:** 300 g
- **Protection rating:** IP44
- **Source:** Likiu Drone Manual, PDF page 17 (350B); 产品目录Catalog, PDF page 17 (GIM-T4-22x)

Likiu AI VisionCube C UAV Vision Module

Compact AI vision module for compatible UAV platforms, with tracking functions described in the supplied catalogue.

- **Computing power:** 1 TOPS
- **Firmware support:** BetaFlight / APM / PX4
- **Dimensions:** 40 × 40 × 26.3 mm
- **Mounting holes:** 20 × 20 / 25.5 × 25.5 mm
- **Input voltage:** 9–16 V
- **Source:** Likiu Drone Manual, PDF page 12
- **Note:** Target-recognition and range functions depend on the selected model and integration.

Likiu AI VisionCube S UAV Vision Module



Single-lens AI vision module with trajectory prediction and memory tracking for civilian inspection integration.

- **Computing power:** 1 TOPS
- **Control protocol:** CRSF
- **Firmware support:** BetaFlight / APM / PX4
- **Maximum tracked targets:** 50
- **Picture-in-picture:** Supported
- **Source:** Likiu Drone Manual, PDF page 12
- **Note:** Detection ranges and supported target classes depend on configuration.

Likiu AI VisionCube D Dual-Lens UAV Vision Module



Dual-lens AI imaging module for compatible civilian drone platforms and observation workflows.

- **Computing power:** 6 TOPS
- **Control protocol:** CRSF
- **Firmware support:** BetaFlight / APM / PX4
- **Maximum tracked targets:** 50
- **Input voltage:** 9–16 V
- **Dimensions:** 40 × 40 × 25.7 mm
- **Source:** Likiu Drone Manual, PDF page 12
- **Note:** Recognition configuration is subject to integration requirements.

Likiu AI VisionCube ST Visible-Light & Thermal Vision Module



AI vision module combining single-lens imaging and thermal sensing for compatible UAV platforms.

- **Computing power:** 1 TOPS
- **Imaging:** Single lens + thermal imaging
- **Control protocol:** CRSF
- **Firmware support:** BetaFlight / APM / PX4
- **Maximum tracked targets:** 50
- **Picture-in-picture:** Supported
- **Source:** Likiu Drone Manual, PDF page 12
- **Note:** Detection ranges and target classes depend on configuration.

Likiu AI VisionCube DT Dual-Lens Thermal Vision Module



Dual-lens thermal AI vision module for civilian UAV observation and inspection integrations.

- **Computing power:** 6 TOPS
- **Imaging:** Dual lens + thermal imaging
- **Control protocol:** CRSF
- **Firmware support:** BetaFlight / APM / PX4
- **Maximum tracked targets:** 50
- **Picture-in-picture:** Supported
- **Source:** Likiu Drone Manual, PDF page 12
- **Note:** Detection ranges and target classes depend on configuration.