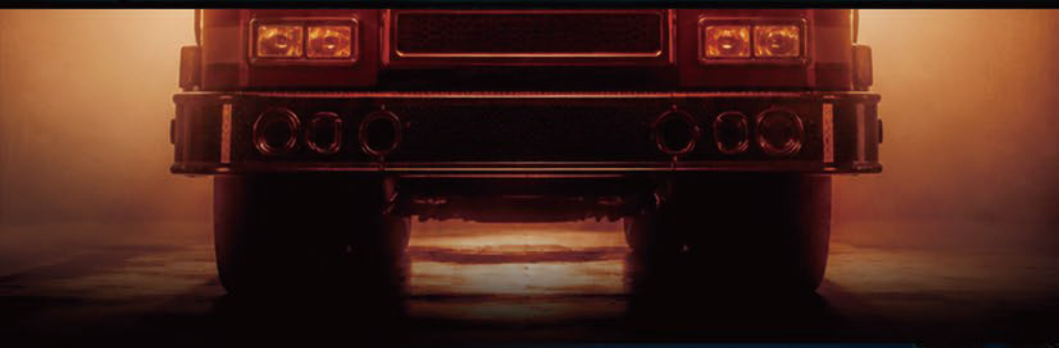
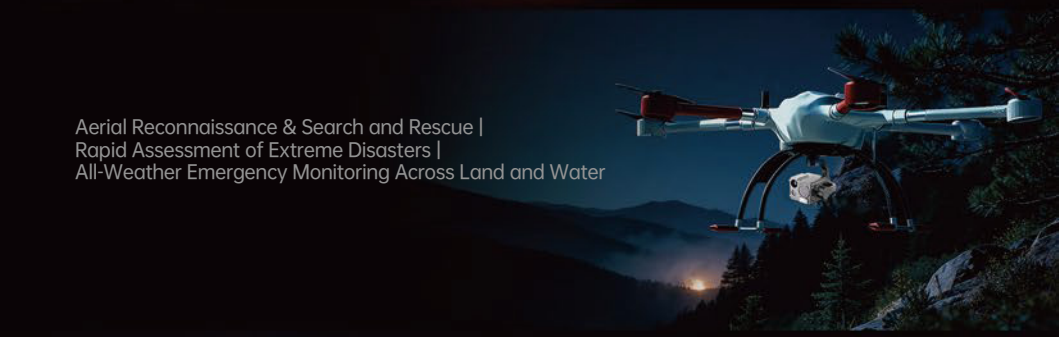
VIEWPRO

Product Brochure

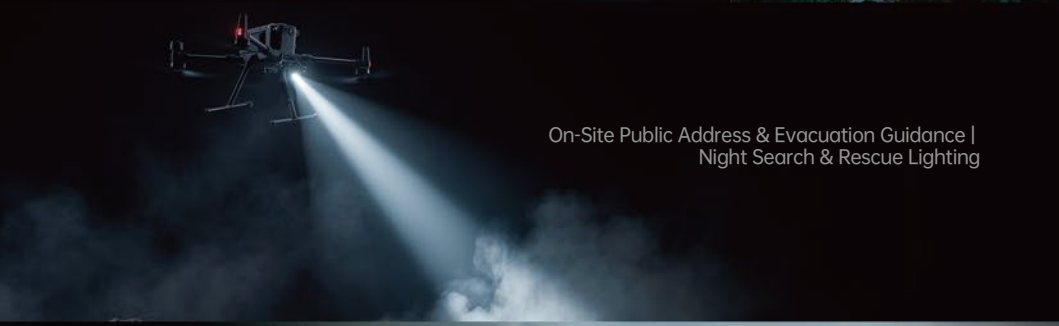
Empower Every Emergency Mission

Unmanned Systems Payloads & Emergency Response Solutions





Aerial Reconnaissance & Search and Rescue |
Rapid Assessment of Extreme Disasters |
All-Weather Emergency Monitoring Across Land and Water



On-Site Public Address & Evacuation Guidance |
Night Search & Rescue Lighting



Precision Supply Delivery



Aerial Emergency Reconnaissance

Supports the customization of professional fire protection solutions | Search & Detection | Disaster Assessment | All-Day, All-Terrain Emergency Inspection

H30TL

Full-Function 30x Quad-Sensor Gimbal Camera with Laser Night Illumination



EO	1/2.8" STARVIS2 CMOS, 30x optical zoom, 2.13MP		
IR	640x512, 19mm focus length, 12μm	**Laser Illumination Range**	800m
LRF	5~1200m	**N.W.**	950g
Output	Micro HDMI / IP	**Dimension**	131.2*145.7*193.3mm

Nighttime Search for People in Urban Flooding, Rivers and Waterways, Enhanced Visibility for Detailed Nighttime Search & Rescue.

A30TR-50M

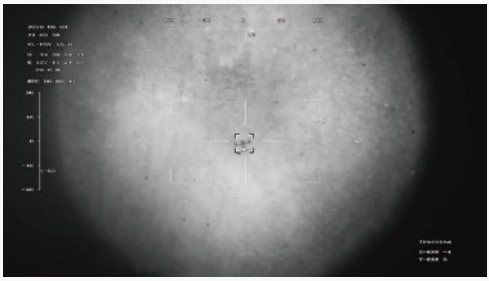
High-Performance 30x Triple-Sensor Gimbal Camera
Compatible with VTOL fixed-wing UAVs for day-and-night reconnaissance and search & rescue.

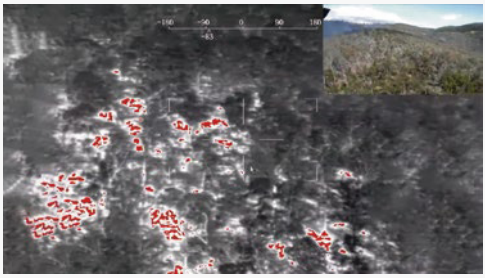


EO	1/2.8" STARVIS2 CMOS, 30x optical zoom, 2.13MP		
IR	640x512, 50mm focus length, 12μm		
LRF	50~5000m	**N.W.**	1343g
Output	Micro HDMI / IP	**Dimension**	138*144.8*218.2mm

Ideal for isolated-area search & rescue during severe flooding, large-scale forest fire monitoring, and long-range day-and-night reconnaissance across extensive river systems.







Scan the QR Code to Explore More Gimbal Models

Multi-Functional Payloads for Emergency Rescue

On-Site Public Address & Evacuation Guidance |
Nighttime Search & Rescue Lighting |
Precision Supply Delivery

LTG

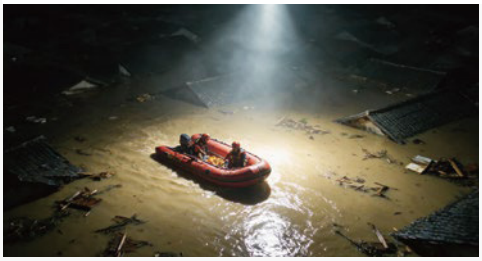
L4 Pro

3-Axis Stabilized Gimbal Searchlight
for Nighttime Search & Rescue



Illumination area	1256㎡(128W, 150m distance)	LED power	0~128 W
Luminous flux	13500lm (128W Power)	Spot diameter	40m (@128W, 50m distance)
Brightness	113lm/W(@128W)	N.W.	790g
Control mode	PWM / SBUS / TTL / DJI Pilot	Dimension	134*141.1*185.3mm

Provides powerful illumination for nighttime search and rescue in dark waterways, collapsed structures, and other low-light disaster environments, helping overcome insufficient lighting at emergency sites.





PA

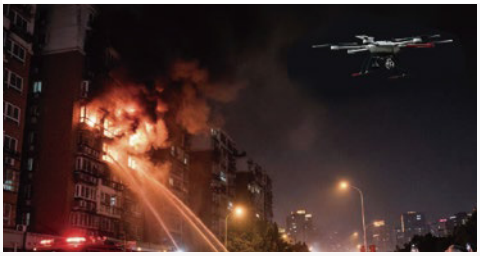
M120 Pro

4G Emergency Loudspeaker
for on-site evacuation and guidance



Maximum sound pressure	124dB@1m	Communication Method	4G LTE or Analog Signal
Effective broadcast distance	800m~1000m	APP	Android 5.0 and above
Power	25W	N.W.	691g
Speaker mode	Real-time / Recording / Audio file upload /Text to voice	Dimension	142.7*95.2*201.6mm

Enables remote persuasion of the public to evacuate disaster zones and communication with people stranded in isolated areas.





Drop

Tianjie K4

Payload Release System
Emergency Supply Delivery to Isolated Areas



Payload Count	4	Power Supply	12-30V
Payload Capacity	20kg(5kg*4)	Camera	1080P
Standby Power Consumption	1.5W	N.W.	260±5g
Release Power Consumption	8W per hook	Dimension	62*62*67mm
Control Method	TCP/USART/SBUS/PWM/DJI PSDK		

Enables long-range delivery of first-aid kits, drinking water, and other essential emergency supplies to isolated and inaccessible areas.

DW-5

Rope Descent Delivery System
Precision Deployment of Rescue Equipment

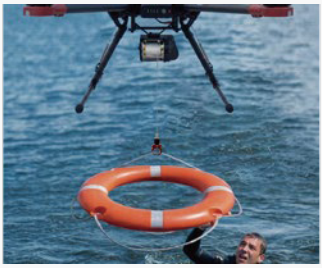




Operating Voltage	24V	Total Rope Length	30m
Motor Power	22W	Motor Type	Brushed DC Motor
Maximum Payload Capacity	5kg	N.W.	1.05kg
Remote Control Range	800m	Dimension	200*105*145mm

Precisely deploy lifebuoys onto the water surface and to the specific locations of trapped individuals, ensuring the safety of those who have fallen into the water.







Expansion

V-PORT-MINI

Open 3-Axis Gimbal Platform
Universal Payload Expansion Platform



Yaw Axis	360°	Maximum Payload	400g
Roll Axis	Physical Limit +90°, -70°	N.W.	422g
Pitch Axis	Physical Limit Upward 60°, Downward 120°	Dimension	131.5*131.6*177.3mm

Supports integration of methane detectors, multispectral sensors, and other mission-specific payloads, enabling versatile disaster monitoring and emergency response applications.



Multispectral Cameras



Sony Mapping Cameras

► Whether it is an EO/IR gimbal, mapping camera, multispectral camera, LiDAR, or other industry-specific payload, V-Port provides a stable, efficient, and flexible gimbal platform for diverse mission applications.

Post-Disaster Emergency Recovery Solutions

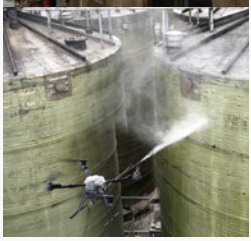
Cleaning Solution

4 types of spray lance are available

Designed for efficient post-flood mud removal from walls, helping restore affected homes and infrastructure quickly.

Cleaning Efficiency	1000m²/h
Tethered Water Pressure	20 MPa
Spray Angle	0° 15° 25° 40°
Operating Time	45min
Material	Carbon Fiber / 304 Stainless Steel
Power Supply Mode	Supports AC/DC Power Conversion
Water Pump	High-Efficiency Brushless Motor





Standard Version



VP2-A Single-Nozzle



VP2-B Dual-Nozzle



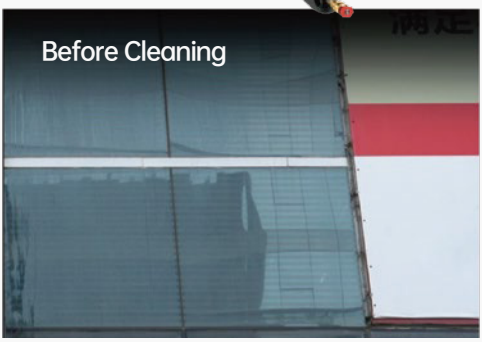
VP2-C Downward Nozzle

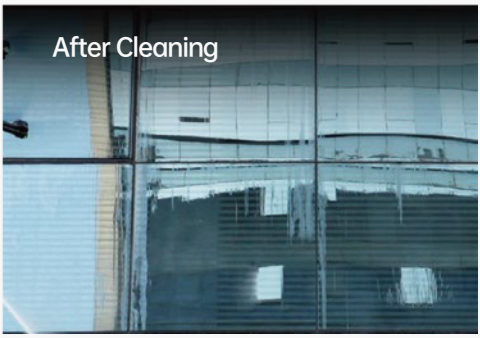
DJI Version





DJI Cleaning Nozzle





Stable Signal Tracking System

Automatic Tracking | Signal Locking |
Stable Video Transmission



G1_RTK

Tracking Gimbal
with Antenna Tracking System

Enables real-time UAV signal tracking to ensure stable video transmission and reliable search & rescue footage streaming during emergency missions

Yaw Tracking Speed	≤ 360°/s	DC Voltage	12V–26V
Pitch Tracking Speed	≤ 65°/s	MAVLink Version	PX4/APM Compatible
Yaw Tracking Angle	360°	Power Supply	Universal Aviation Battery
Pitch Tracking Angle	-15°to +160°	N.W.	3.35kg



TC-50 16-Node Star Network for Integrated Air-Land-Water Emergency Communication

Using the UAV as the central node, TC-50 connects multiple unmanned systems across air, land, and water, enabling real-time transmission of on-site video and data. The command center can maintain comprehensive situational awareness, make rapid decisions, and improve rescue efficiency.



Detect → Connect → Transmit → Command

Up to 16 Nodes	Star Topology	Long-range Transmission	Reliable & Stable	Rapid Deploy

MX25 PRO / TC-50

Ground control station/Video transmission,
disaster emergency communication hub

Airborne Networking for Disaster Areas Without Connectivity, Enabling Unified Multi-Terminal Video Transmission to the Command Center

Frequency Band	2.4 GHz / 5.8 GHz (Hopping Supported)
Channels	16
Storage Capacity	64G
Display	7" Industrial Touch Screen
Endurance	8 Hours
Computer System	Android 13
Transmission Dist.	25KM
Dimension	291*174.5*80mm
N.W.	1644g

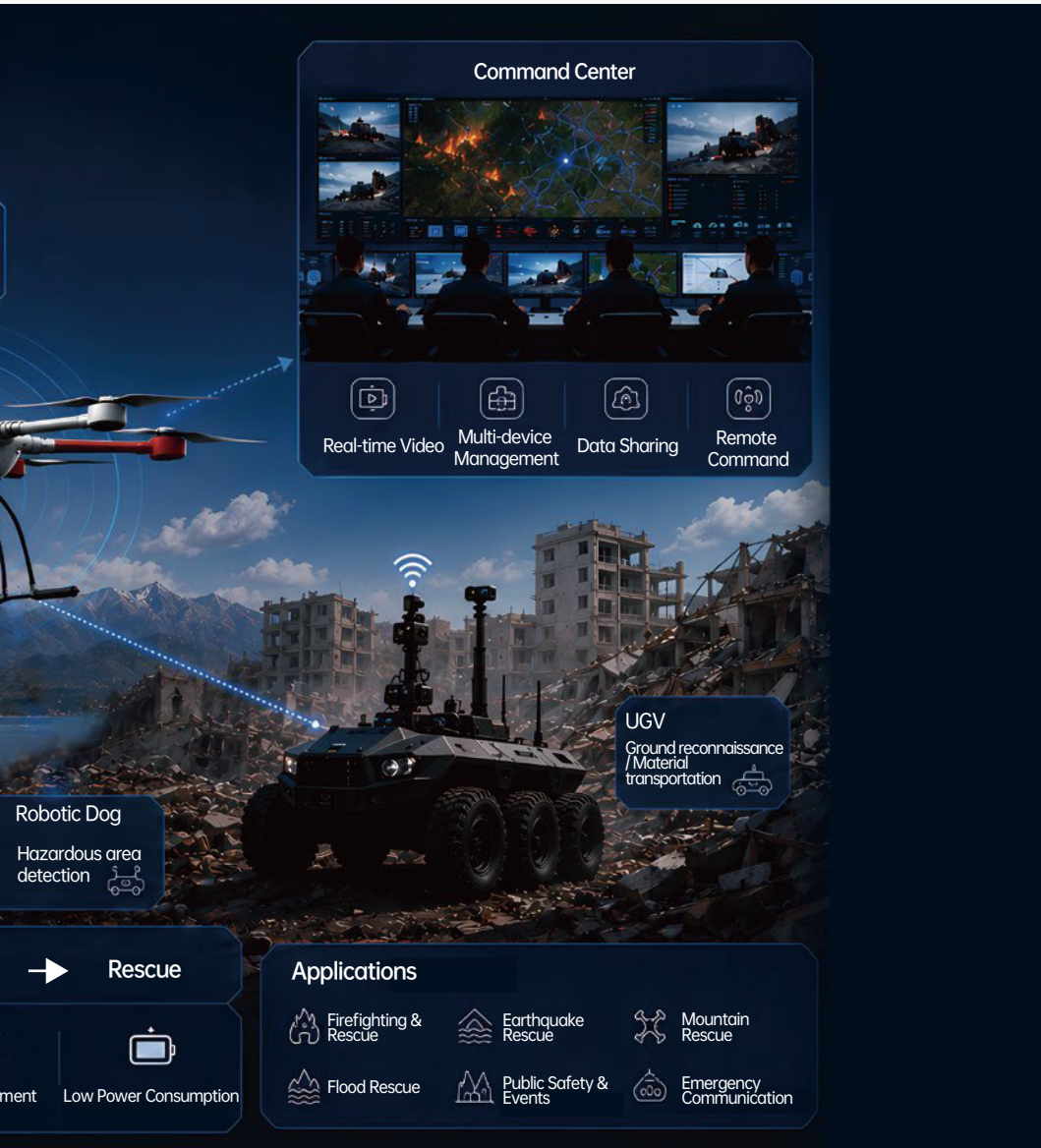
MX25 PRO
(Ground control station)



Frequency Band	1.4GHz
Antenna	Dual Antennas
Transmission Dist.	50KM
Power	2W
Modulation	QPSK, 16QAM, 64QAM
Dimension	92.7*88*23.5mm
N.W.	153g



TC-50
(Video transmission)



Water Emergency Rescue Equipment



Flood Search & Rescue | Stranded Person Transport | Airdrop rescue operations

RESCUE

FB1

Flying Rescue Boat
Night Vision Capability | Designed for All-Weather Water Rescue



Maximum Flight Speed	12 m/s	Camera Resolution	720p
Working Time	Flying 6' + Sailing 8'	Protection Rating	IP67
Sea State Rating	Sea State 2	Camera Pitch Angle	+90°~-90°
Operating Range	≥1000 m	N.W.	16kg
Water Surface Buoyancy Capacity	40 kg	Dimension	1180×1030×380mm
Maximum Flight Altitude	4000 m		

Able to rapidly reach people in distress by air, deploy a life buoy, and tow individuals safely from the water to shore

FL1

Airdrop-style lifebuoy with night-vision capability, designed for emergency water rescue.



Maximum Flight Speed	14 m/s	Camera Resolution	720p
Flight Time	⩾10 min	Protection Rating	IP68
Sea State Rating	Sea State 2	Camera Pitch Angle	+90°~-90°
Operating Range	⩾1000 m	N.W.	4.5kg
Water Surface Buoyancy Capacity	⩾16kg	Dimension	930×930×120mm
Maximum Flight Altitude	4000 m		

Rapid rescue of people fallen into rivers or flooded areas, with precise long-distance deployment of floating devices.



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