

SHAR 赛尔



Compact and Powerful

SHARE 6100X

Full Frame Single Lens Aerial Camera







Realize the strength of lightweight

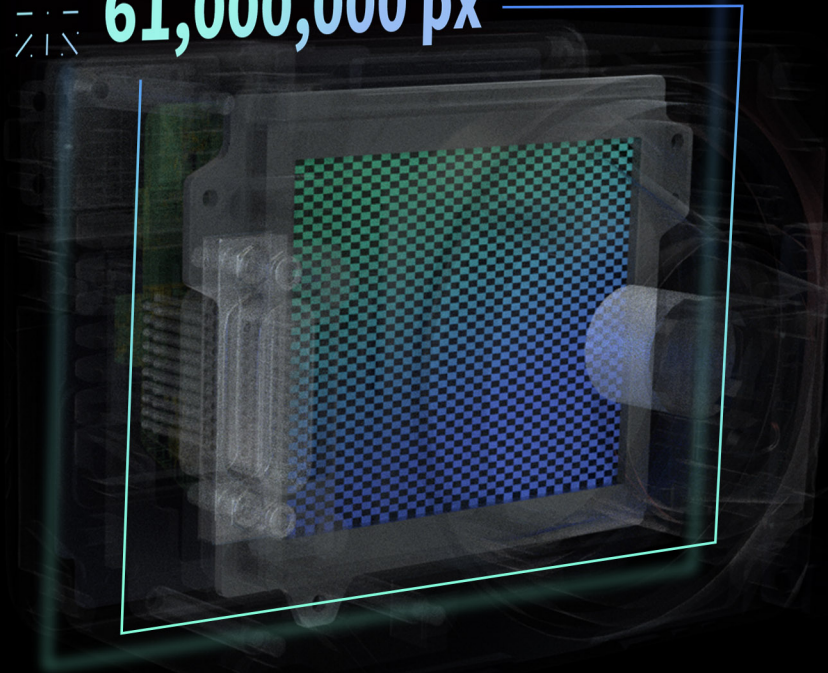
Combined with one-piece formed aircraft aluminum alloy and SHAR's self-developed image module, the camera's minimum weight reaches 280g.



Professional mapping Lens

Multiple LD low dispersion lenses, multi-layer enhanced nano-coating, which filters the reflected light from the aerial view, to ensure stable aerial film quality and transparent imaging.

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61,000,000 px



Compact with powerful

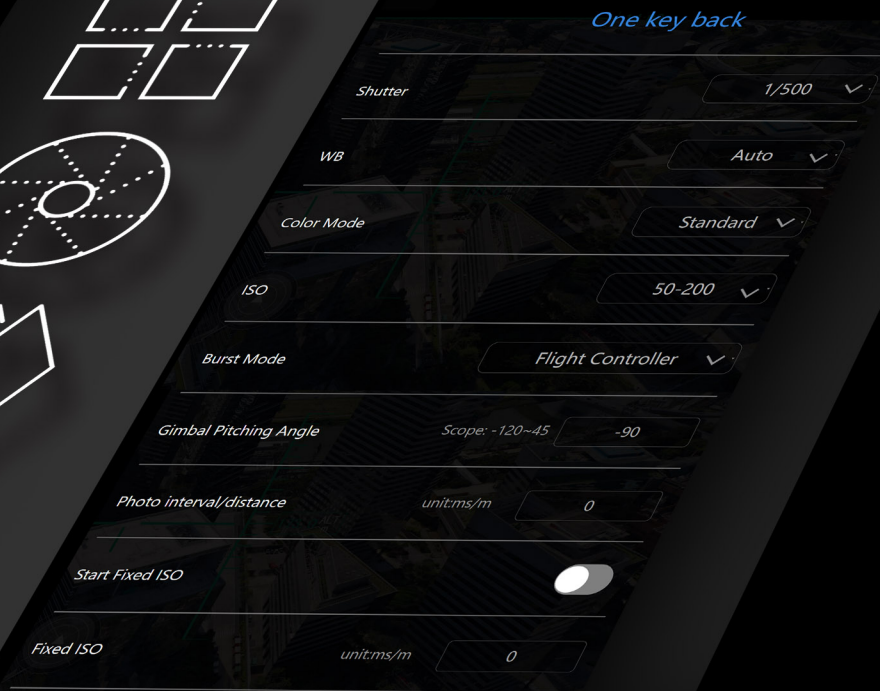
SHARE self-developed image module, equipped with Sony IMX455 full-frame 61MP image sensor and 3.76 μ m pixel, refreshes a higher stage of drone surveying and mapping.



500,000

Lightweight between-lens shutter

The shutter is made of Kimoto, which has an extremely low coefficient of friction and a steadily increasing life span of 500,000 times while reducing the jelly effect.



Adjustable parameters

The self-developed module provides parameter adjustment function, users can adjust the camera shutter, ISO, white balance and color mode according to the operation scenario.



GCP-Free modeling

Mature TIMESYNC 2.0 technology, microsecond time synchronization among the camera, gimbal, flight control and RTK, achieves GCP-Free operation.



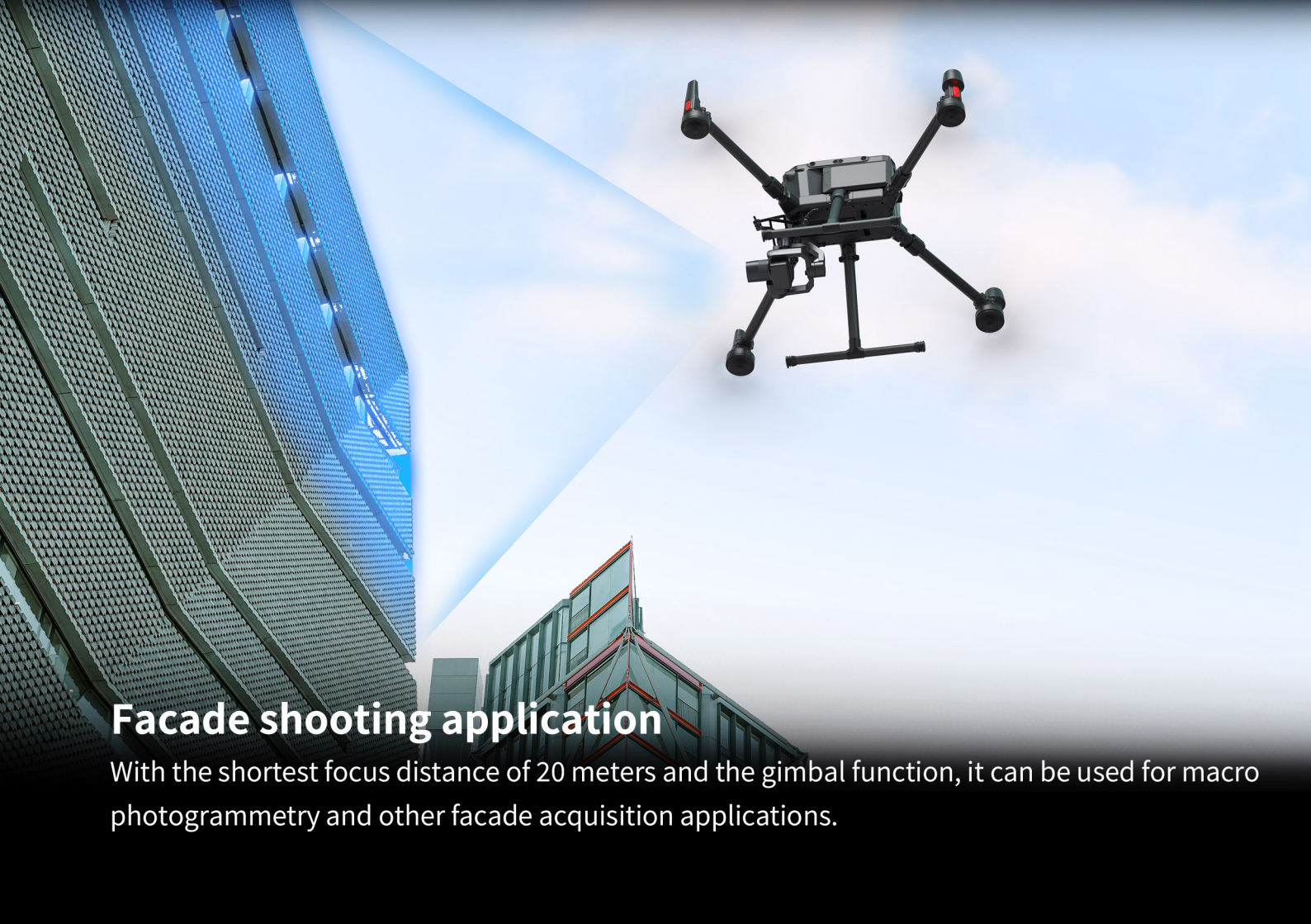
Real-time dynamic transmission

1080P HD dynamic stream map transmission, which could automatically adjust the code stream according to the transmission distance all the time, to enhance flight stability.



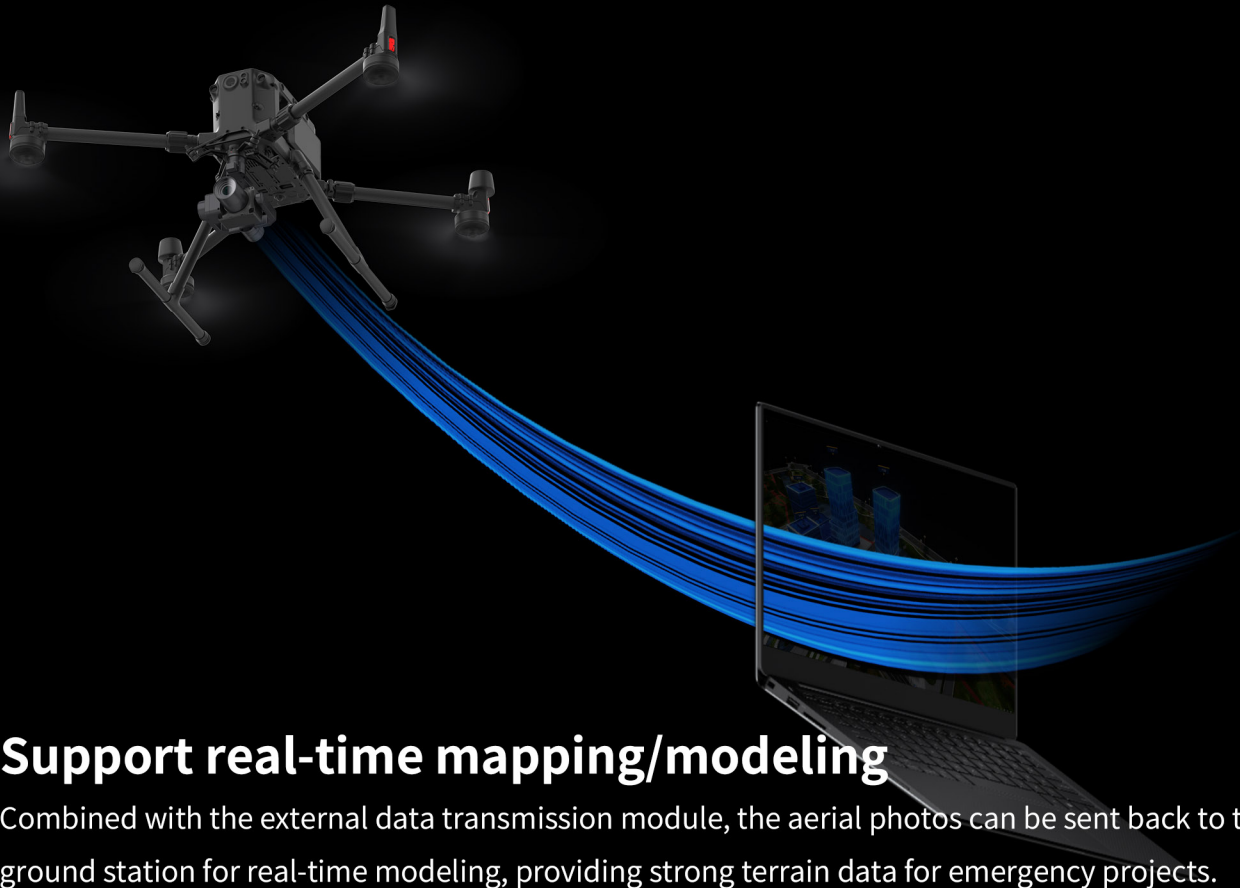
Top-mounted Gimbal

With DJI Matrice M300 RTK top-mounted gimbal, it can work for special inspection applications like bridge, construction etc.



Facade shooting application

With the shortest focus distance of 20 meters and the gimbal function, it can be used for macro photogrammetry and other facade acquisition applications.



Support real-time mapping/modeling

Combined with the external data transmission module, the aerial photos can be sent back to the ground station for real-time modeling, providing strong terrain data for emergency projects.



Compatible with various mounting platforms

Standard configuration of DJI X-PORT gimbal and J30J 21P universal port reserved for fixed-wing and other drones with all functions remained.

Camera parameters

Size	75.5*60*107.5mm (without gimbal) ; 128.5*181.5*153.3mm (with gimbal)
NW.	≈280g (without gimbal) ≈640g(with gimbal)
IP rate	IP53
Compatible Platform	DJI M300 RTK、DJI M300 、 Other Multi-rotor and fixed-wing UAVs
Power Supply	External Power supply with DC 12-50V
Interface	Gimbal interface & General interface
Effective Pixels	61million pixels
Sensor Size	Sensor size: 36*24mm(Full format)
Pixel size	3.76μm
Image Resolution	(3:2) 9552*6368px
Storage Capacity	512GB
GPS Capacity	8G
Parameter Adjustment	DJI Pilot
Image Transmission	Dynamic bitstream HD five-lens image transmission
Focal length	Standard: 40mm; Customizable : 56mm
Aperture Size	F5.6
Shooting Distance	≥20m
Video Size	[4K(3840×2160)],30fps
Stabilization	3-axis (Pitch Yaw Roll)
Movement Range	Pitching: -130°to +40°; Yawing: ±320°; Rolling: ±55°

SHAR

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