



प.सं.:-०८१।८२

च.नं.:-

स्थानीय सरकार  
खाँडादेवी गाउँपालिका  
गाउँ कार्यपालिकाको कार्यालय

खाँडादेवी गाउँ कार्यपालिका  
माकोदुम, बागमती प्रदेश

बागमती प्रदेश, नेपाल

दररेट पेश गर्ने सम्बन्धी सूचना  
(प्रथम पटक प्रकाशित मिति: २०८१/०७/०६)

प्रस्तुत सम्बन्धमा यस गाउँपालिकालाई ड्रोन तथा तपशिल बमोजिमको सामग्रीहरू आवश्यक भएकोले उक्त सामग्रीहरू ईच्छुक फर्म वा कम्पनीले यस गाउँपालिकामा के-कति दररेटमा उपलब्ध गराउन सकिन्छ सोको दर रेट ७ दिनभित्र उपलब्ध गरिदिन हुन अनुरोध छ।

सामग्रीको विवरण:

क्र. सं.	विवरण	स्पेशिफिकेशन	परिमाण	मूल्य	कैफियत
१	ड्रोन	Drone, Display Remote Controller, 3 x DJI Intelligent Flight Battery for drone, Battery Charging Hub, Shoulder Bag, 6 x Low-Noise Propellers for Drone, Gimbal Camera Protector for Drone, USB-C Cable	१ थान		
२	वायरलेस माईक	2 x Transmitter, Dual-Channel Receiver, 2 x Furry Windshield, 2 x Magnetic Mic Mount, Charging Carry Case with 1250mAh Internal Battery, Drawstring Storage Pouch, Coiled 3.5mm TRS to TRS Output Cable, Coiled 3.5mm TRS to TRRS Output Cable	१ थान		
३	मेमोरी कार्ड	Up to 170MB/s* read speeds to save time transferring high-res images and 4K UHD videos(2). Requires compatible devices capable of reaching such speeds. Up to 90MB/s* write speeds for fast shooting. Requires compatible devices capable of reaching such speeds. 4K UHD and Full HD-ready(2) with UHS Speed Class 3 (U3) and Video Speed Class 30 (V30)(5).	१ थान		

नोट: माथि उल्लेखित सामग्रीहरूको वृत्तित स्पेशिफिकेशन यस साथै संलग्न गरिएको छ ।

पदम बहादुर बस्नेत  
प्रमुख प्रशासकीय अधिकृत  
पदम बहादुर बस्नेत  
प्रमुख प्रशासकीय अधिकृत

## Specifications

### 1. Drone

**Maximum Horizontal Speed** 47 mph / 75.6 km/h

**Maximum Flight Time** 46 Minutes

**Number of Cameras** 2

#### Wide

48 MP, 1/1.3"-Type CMOS Sensor with 24mm-Equivalent, f/1.7 Lens (82° FoV)

#### Standard

48 MP, 1/1.3"-Type CMOS Sensor with 70mm-Equivalent, f/2.8 Lens (35° FoV)

**Camera System** Show More

#### All Cameras

**Maximum Video Resolution** Up to UHD 4K at 100 fps / 1080p at 200 fps

**Sensing System** Omnidirectional

**Control Method** Included Transmitter

**Maximum Operating Distance** 12.4 Miles / 20 km

**Mobile App Compatible** Yes: Android & iOS  
App Name: DJI Fly

**Weight** 1.6 lb / 720 g (Takeoff)

### Performance

**Maximum Horizontal Speed** 47 mph / 75.6 km/h

**Maximum Ascent Speed** 22.4 mph / 36.0 km/h

**Maximum Descent Speed** 22.4 mph / 36.0 km/h

**Maximum Wind Resistance** 26.8 mph / 43.1 km/h

**Maximum Take-Off Altitude** 3.7 Miles / 6000 m

**Maximum Flight Time** 46 Minutes

**Maximum Hover Time** 42 Minutes

**Maximum Tilt Angle** 35°

**Hovering Accuracy**

#### Vision Positioning

Vertical:  $\pm 0.3'$  / 0.1 m

Horizontal:  $\pm 1.0'$  / 0.3 m

#### GNSS



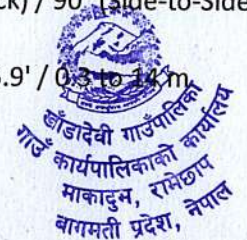
	Vertical: ±1.6' / 0.5 m <b>High-Precision Positioning System</b> Horizontal: ±1.6' / 0.5 m
Aircraft	
Rotor Configuration	Quadcopter
Remote ID	Yes
Built-In Video Light	No
Aircraft I/O	1x USB-C (Service)
Operating Conditions	14 to 104°F / -10 to 40°C
Imaging	
Number of Cameras	2
	<b>Wide</b> 48 MP, 1/1.3"-Type CMOS Sensor with 24mm-Equivalent, f/1.7 Lens (82° FoV)
	<b>Standard</b> 48 MP, 1/1.3"-Type CMOS Sensor with 70mm-Equivalent, f/2.8 Lens (35° FoV)
Camera System	
	<b>Wide</b> 1 to 3x
	<b>Standard</b> 3 to 9x
Digital Zoom	
	<b>Wide</b> 3.3' / 1 m
	<b>Standard</b> 9.8' / 3 m
Minimum Focus Distance	
	<b>All Cameras</b> Photo: 100 to 6400 Video: 100 to 12,600
ISO Sensitivity Range	
	<b>All Cameras</b> Electronic Shutter: 1/16000 to 8 Seconds (Photo)
Shutter Speed	
	<b>All Cameras</b> Up to UHD 4K at 100 fps / 1080p at 200 fps
Maximum Video Resolution	
	<b>All Cameras</b> Up to 48 MP (DNG / JPEG)
Still Image Support	
	Auto-Exposure Bracketing (AEB), Burst Shooting, Interval, Single Shot
Photo Modes	

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	<p><b>In Aircraft Body</b> microSD/microSDHC/microSDXC (UHS-I) [U3/V30 or Faster Recommended]</p> <p><b>In Remote/Transmitter</b> microSD/microSDHC/microSDXC (UHS-I) [U3/V30 or Faster Recommended]</p>
Media/Memory Card Slot	
	<p><b>In Aircraft Body</b> 8 GB</p> <p><b>In Remote/Transmitter</b> 32 GB</p>
Internal Storage	
Gimbal	
Number of Axes	3: Pitch (Tilt), Roll, Yaw (Pan)
	<p><b>Controllable Range</b> Yaw (Pan): 10° (-5 to 5°) Pitch (Tilt): 150° (-90 to 60°)</p> <p><b>Mechanical Range</b> Yaw (Pan): 205° (-135 to 70°) Roll: 54° (-27 to 27°) Pitch (Tilt): 100° (-50 to 50°)</p>
Rotation Range	
Follow Speed	Tilt: 100°/s
Stabilization Accuracy	±0.0037°
Avoidance/Sensing System	
Sensing System	Omnidirectional
	<p><b>Forward</b> Measurement Range: 1.6 to 59.1' / 0.5 to 18 m Detection Range: 1.6 to 656.2' / 0.5 to 200 m Max Speed: 26.8 mph / 12 m/s Field of View: 90° (Horizontal) / 72° (Vertical)</p> <p><b>Backward</b> Measurement Range: 1.6 to 59.1' / 0.5 to 18 m Max Speed: 26.8 mph / 12 m/s Field of View: 90° (Horizontal) / 72° (Vertical)</p> <p><b>Lateral</b> Measurement Range: 1.6 to 98.4' / 0.5 to 30 m Max Speed: 26.8 mph / 12 m/s Field of View: 90° (Horizontal) / 72° (Vertical)</p> <p><b>Upward</b> Measurement Range: 1.6 to 59.1' / 0.5 to 18 m Max Speed: 13.4 mph / 6 m/s Field of View: 72° (Front-to-Back) / 90° (Side-to-Side)</p> <p><b>Downward</b> Measurement Range: 1.0 to 45.9' / 0.3 to 14 m</p>
Sensing System Capabilities	

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	Max Speed: 13.4 mph / 6 m/s Field of View: 106° (Front-to-Back) / 90° (Side-to-Side)
Remote Controller / Transmitter	
Control Method	Included Transmitter
	2.4 GHz (2.4 to 2.4835) 5.1 GHz (5.170 to 5.250) 5.8 GHz (5.725 to 5.85)
Operating Frequency	
Maximum Operating Distance	12.4 Miles / 20 km
	2.4 G: 26 dBm (FCC), 20 dBm (CE, MIC, SRRC) 5.1 G: 23 dBm (CE) 5.8 G: 33 dBm (FCC, SRRC), 14 dBm (CE)
Transmitter Power	
Transmitter I/O	1x USB-C Input (Data, Power, Service, Video)
Clean Video Output	Not Specified by Manufacturer
Battery Type	Built-In Lithium-Ion (6200 mAh)
Wi-Fi	Wi-Fi 6 (802.11ax)
Bluetooth	5.2
	Yes: Android & iOS App Name: DJI Fly
Mobile App Compatible	
Built-In Display	5.5" (1920 x 1080) Touchscreen LCD, 700 nits/ cd/m <sup>2</sup>
Operating Temperature	14 to 104°F / -10 to 40°C
Flight Battery	
Battery Chemistry	Lithium-Ion
Battery Capacity	4241 mAh / 62.6 Wh
Battery Configuration	4 S / 14.8 V
Maximum Charging Power	17 V
Charging Temperature	41 to 104°F / 5 to 40°C
Weight	9.4 oz / 267 g
Charger	
Charger Input Power	20 VDC at 5 A
Output Voltage	17 V, 5 A
General	

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GNSS Support

GPS, BeiDou, Galileo

Overall Dimensions

8.1 x 4.0 x 3.6" / 207.0 x 100.5 x 91.1 mm (Folded)  
10.2 x 12.8 x 4.2" / 258.8 x 326.0 x 105.8 mm (Unfolded)

Weight

1.6 lb / 720 g (Takeoff)

Packaging Info

Package Weight

6.135 lb

Box Dimensions (LxWxH)

12.8 x 11.2 x 5.8"



## 2. Wireless Mic

Wireless Technology	Digital 2.4 GHz
Max Operating Range	492.1' / 150 m (Line of Sight)
Receiver Type	Camera-Mount / Plug-In (Lightning) / Plug-In (USB-C)
Microphone Type	Built-In (Transmitter)
Polar Pattern	Omnidirectional
System	
Wireless Technology	Digital 2.4 GHz
Included Transmitters	2x Clip-On with Microphone
RF Frequency Band	2400 to 2483.5 MHz
RF Channel Scanning	Auto-Scan
Max Operating Range	492.1' / 150 m (Line of Sight)
Max Transmitters per Band	2
Mobile App Compatible	Yes: Android & iOS
SNR	>80 dB
THD	<0.1 %
Receiver	
Receiver Type	Camera-Mount / Plug-In (Lightning) / Plug-In (USB-C)



Mounting Options	Plug-In, Shoe-Mount (with Included Hardware)
Number of Audio Channels	2
Audio I/O	1x 1/8" / 3.5 mm TRS Female Unbalanced Line Output 1x 1/8" / 3.5 mm TRS Female Unbalanced Headphone Output
Frequency Response	20 Hz to 20 kHz
RF Output Power	13 mW
Power Requirements	Battery, Bus Power (USB)
Internal Battery Capacity	400 mAh
Approx. Battery Life	16 Hours
DC Input Power	5 VDC (USB Bus Power)
Display & Indicators	1x OLED
Operating Temperature	32 to 122°F / 0 to 50°C
Storage Temperature	14 to 122°F / -10 to 50°C
Dimensions	1.5 x 1.9 x 0.7" / 37.5 x 49.5 x 18.8 mm
Weight	1.1 oz / 30 g
Transmitter	
Transmitter Type	Clip-On with Microphone
RF Output Power	13 mW

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Frequency Response	20 Hz to 20 kHz
Sync Method	Proprietary
Power Requirements	Battery, Bus Power (USB), or Bus Power (Lightning)
Battery Type	1x Built-In Rechargeable (Included, Not Replaceable)
Internal Battery Capacity	190 mAh
Battery Charging Time	1.5 Hours
Approx. Battery Life	20 Hours
USB/Lightning I/O	1x USB-C (Bus Power, Charging)
Operating Temperature	32 to 122°F / 0 to 50°C
Storage Temperature	14 to 122°F / -10 to 50°C
Dimensions	1.2 x 1.8 x 0.5" / 31.6 x 45 x 13 mm
Weight	0.8 oz / 23 g
<b>Microphone</b>	
Microphone Type	Built-In (Transmitter)
Sound Field	Mono
Capsule	Electret Condenser
Polar Pattern	Omnidirectional
SNR	80 dB

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THD	< 0.1%
Sensitivity	40 dB
Charging Case	
Additional Runtime with Charging Case	21.6 Hours
Recharge Time	2.5 Hours
Capacity	1250 mAh
Charging Interface	USB-C
Packaging Info	
Package Weight	
Box Dimensions (LxWxH)	

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### 3. SD card

Capacity 512GB

Form Factor microSDXC™

Sequential Read Performance Up to 200MB/s

Sequential Write Performance Up to 140MB/s

Dimensions (L x W x H) 0.43" x 0.59" x 0.04"

Weight 1.66gms

Operating Temperature -25°C to 85°C

Non-Operating Temperature -40°C to 85°C

Certifications CE, FCC, C-Tick/RCM, UKCA, EAC, ICES

*Any*

