Guangdong, China

8X08-II 100KV M8

Negotiable

6-8

T/T

100

# **Basic Information**

- Place of Origin:
- GS • Brand Name:
- Model Number:
- Price:
- Delivery Time:
- Payment Terms:
- Supply Ability:



# **Product Specification**

- Max Thrust:
- Recommend Take-off Weight:
- Recommend Voltage: 12S Lipo
- Operating Temperature:
- Compatible Carbon Tube:
- Unit Weight:
- Stator Size:
- Max Input Voltage:
- Highlight:

4000-6000/rotor@48vsea Level)

12794g /rotor @48v(sea Level)

- -20~60°C
- 30mm((can Be Tumed 25mm))
  - 83g/pc

81x8mm

- 60.9V
  - 8X08-II M8 drone arm set, brushless motor M8 drone arm set, 100KV M8 drone arm set



# More Images



## 8X08-II 100KV M8 drone arm set brushless motor

8x08-lis an upper and lower coaxial structure power system. it is a specially developed power system for a multi rotor UAV witha single axle load of 4000-6000g. it focuses on optimizing its force efficiency, safety and endurance under extreme conditions. It is suitable for a multi rotor aircraft with a carbon tube diameter of 30mm(can be tured 25mm). The 8x08-I power sleeve adoptsan integrated power assembly, integrates a high-eficiency brushless motor, cooperates with the 28 inch propeller made of special carbon fber composite materials and the intelligent electric regulator driven by 60A FOC sine, creating more possiblities for professional aerial photography, surveying and mapping inspection and other felds pursuing excellence. Break through

imagination and release inspiration

4-6kgF/rotor Max thrust:12.7kgF/rotor, Neat Cable arrangement and easy to install.

Ultralight weight for industrial multirotor: mapping,aerial,inspection,firefighting,military,search and rescue,and more.

Field-Oriented control.



#### The integrated propulsion system

BX08-II integrated power series adopts single arm modular design, with single axle load of 4000g-6000kg, single axle maximum thrust of 12.7kg and single power weight of 1131g. The module has simple overall design, convenient installation and reliable structure. For various ultra long endurance application scenarios. The electric regulator of the motor is integrated and adapted to 30mm diameter carbon tube (convertible 25mm). It can more conveniently complete the installetion and carry out professional flight.







#### High efficiency disc motor

The new generation MBC08 adopts a brand-new iron core design, which has been simulated and tested by engineers for months. The optimal scheme is obtained after repeated comparison and testing among various parameters of the iron core. The lightweight iron core design produces greater tension and high efficiency. The product is of precise verticemanths, with E2D baarings imported from Japan and unique assembly technology, making axial and radial clearance free. So that each aircraft can fly continuously and stabb.

4-6KG rotor @48v(sea level)

### Intelligent sine wave electric modulation

8X08-II is equipped with 60A FOC Intelligent electric regulator, which has a series of early warning and protection functions such as over-voltage, over-current, over temperature, locked rotor, short circuit and motor disconnection, and can respond intelligently according to the alicraft oparation status to ensure safety. The optimized control algorithm and circuit design make the power system have the ability of fast throttle response and the stability of operation in harst environment. Combined with the hardware failure mode, a comprehensive hardware power on self-test program is customized to effectively detect the potential faults of the hardware system and improve the overall stability and safety.



Sine wave driving mode



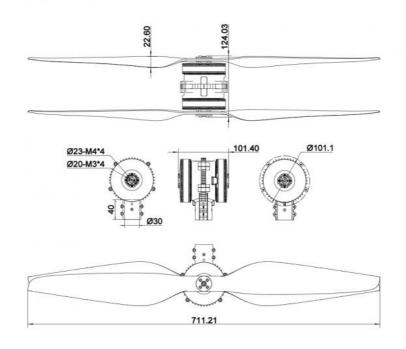




#### High quality carbon fiber propeller

Fluxer 28x9.2 Pro high quality / ultra light carbon fiber propeler, unique mirror light treatment process. Imported carbon fiber oloth and propeler core lightening technology are adopted. It can increase the flight time under the same load. Its perfect dynamic balance and almost zero vibration are loved by consumers. It is designed by aerodynamics to greatly improve its capacity loss, noise, impact resistance and flight. Combined with the magnetic circuit design of BX08-ii brushless motor, the power system has more advantages in tension and efficiency.

FLUXER 28\*9.2 Can be customized to match other blades of mad PRODUCT DRAWING



### PARAMETER

		8X08-II KV100
	Max Thrust	12794g /rotar @48v(sea kevel)
	Recommend Take-off Weight	4000-6000/rotor @48v(sea level)
	Recommend voltage	125 Lipo
Basic Parameter	Operating Temperature	-20-60°C
	Unit Combo Weight	1131g(matching 28X9.2 blades)
	Extension Wire Length	1300mm/1300mm (linput line/signal line))
	Compatible Carbon Tube	30mm((can be turned 25mm))
PROPELLER	Diameter / pitch	28x9.2inch(711x233.6mm)
	Unit Weight	83g/pc
Motors	Stator Size	81x8mm
	Unit Weight	2809
	Model Name	Circular 60A FOC
FOC ESC	Max Input Voltage	60.94
	Max Input Current	304
	Max Peak Current	120A (10S)
	Max Throtie Signal Frequency	50-450Hz
	Recommend Voltage	125

MAD 83	K08-II 100KV	FLUXER	PRO 28x9.2	in Circular I	FOC 60A (6-	-145)	ТОР	12S	MAX 84°C
fhrottle [%]	Voltage [V]	Current [A]	input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficienc [gf/W]
30	48.18	0.93	44.B	31.5	0.264	1140	723	70.3	16.1
35	48.11	1.47	70.7	52.7	0.371	1356	1051	74.5	14.9
40	48.01	2.19	105.1	79.7	0.485	1569	1413	75.8	13.4
45	47.87	3.01	144.1	114.1	0.617	1766	1806	79.2	12.5
50	47.65	4.11	195.8	156.5	0.762	1961	2237	79.9	11.4
55	47.25	5.38	254.2	209.0	0.927	2153	2784	82.2	11.0
60	47.17	6.83	322.2	266.9	1.092	2334	3297	82.8	10.2
65	47	8.59	403.7	331.1	1.260	2509	3814	82	9.4
70	46.9	10.56	495.3	405.4	1.443	2683	4375	81.8	8.8
75	46.74	13.05	610.0	495.2	1.658	2852	5003	81.2	8.2
80	46.53	15.13	704.0	572.2	1.814	3012	5521	81.3	7.8
85	46.35	17.72	821.3	663.6	1.999	3170	6085	80.8	7.4
90	46.06	21.39	985,2	781.1	2.242	3327	6731	79.3	6.8
				885.3	2.432	3476	7211	78.1	6.4
95	45.74	24.78	1133.4	002.3	2.432	2-41-51			
100	45.74 45.45 X08-II 100KV	28.64	1133.4 1301.7 PRO 28x9.2	992.5	2.629	3605	7877 OTTOM	76.2 125	
100 MAD 83	45.45 K08-II 100KV Voltage	28.64 FLUXER F	1301.7	992.5 in <b>Circular</b> I Output Power	2.629 FOC 60A (6- Torque	3605	OTTOM	12S Efficiency	MAX 76°C Efficien
100 MAD 83	45.45 X08-II 100KV	28.64	1301.7 PRO 28x9.2 Input	992.5 in <b>Circular</b> I	2.629 FOC 60A (6-	3605 -14S) B	оттом	125	MAX 76°C Efficien
100 MAD 83	45.45 K08-II 100KV Voltage	28.64 FLUXER F	1301.7 PRO 28x9.2 Input Power	992.5 in <b>Circular</b> I Output Power	2.629 FOC 60A (6- Torque	3605 -14S) B	OTTOM	12S Efficiency	MAX 76°C Efficien
100 MAD 8) Throttle (%)	45.45 X08-II 100KV Voltage (M	28.64 FLUXER F Current [A]	1301.7 PRO 28x9.2 Input Power [W]	992.5 in <b>Circular</b> Output Power [W]	2.629 FOC 60A (6- Torque [N×m]	3605 -14S) В( крм	DTTOM Thrust [gf]	12S Efficiency [%]	MAX 76°C Efficien (gf/W)
100 MAD 83 Throttle (%) 30	45.45 X08-II 100KV Voltage (M) 48.09	28.64 FLUXER F Current [A] 0.84	1301.7 PRO 28x9.2 Input Power [W] 40.4	992.5 in <b>Circular</b> Output Power [VI] 27.7	2.629 FOC 60A (6- Torque [N×m] 0.233	3605 -14S) B( RPM 1136	DTTOM Thrust [g <sup>r]</sup> 523	12S Efficiency [%] 68.61	MAX 76°C Efficient Igf/WJ 12.9
100 MAD 83 (%) 30 35	45.45 X08-II 100KV Voltage [M] 48.09 48.02	28.64 FLUXER F Current (A) 0.84 1.3	1301.7 PRO 28x9.2 Input Power [W] 40.4 62.4	992.5 in <b>Circular</b> Output Power [VI] 27.7 46.0	2.629 FOC 60A (6- Torque [N×m] 0.233 0.325	3605 -14S) B1 RPM 1136 1350	DTTOM Thrust [gf] 523 740	<b>12S</b> Efficiency (%) 68.61 73.6	MAX 76°C Efficient (gf/W) 12.9 11.9
100 MAD 82 (%) 30 35 40	45.45 X08-II 100KV Voltage (V) 48.09 48.02 47.92	28.64 FLUXER F Current [A] 0.84 1.3 1.93	1301.7 PRO 28x9.2 Input Power [W] 40.4 62.4 92.5	992.5 in <b>Circular</b> Output Power [W] 27.7 46.0 70.5	2.629 FOC 60A (6- Torque [N×m] 0.233 0.325 0.433	3605 -14S) B1 RPM 1136 1350 1554	OTTOM Thrust (gf) 523 740 1002	<b>12S</b> Efficiency [%] 68.61 73.6 76.18	MAX 76°C Efficient (gf/W) 12.9 11.9 10.8
100 MAD 82 (90) 30 35 40 45	45.45 X08-II 100KV Voltage (V) 48.09 48.02 47.92 47.79	28.64 FLUXER F (A) 0.84 1.3 1.93 2.61	1301.7 PRO 28x9.2 Input Power [W] 40.4 62.4 92.5 124.7	992.5 in <b>Circular</b> Output Power (VI) 27.7 46.0 70.5 97.9	2.629 FOC 60A (6- Torque [N×m] 0.233 0.325 0.433 0.534	3605 -14S) B1 RPM 1136 1350 1554 1751	CTTOM Thrust (sf) 523 740 1002 1231	12S Efficiency (%) 68.61 73.6 76.18 78.51	MAX 76°C Efficien (gf/W) 12.9 11.9 10.8 9.9
100 MAD 87 (%) 30 35 40 45 50	45.45 X08-II 100KV Voltage (M) 48.09 48.02 47.92 47.79 47.56	28.64 FLUXER F Current [A] 0.84 1.3 1.93 2.61 3.47	1301.7 PRO 28x9.2 Input Power IVVI 40.4 62.4 92.5 124.7 165.0	992.5 in <b>Circular</b> Output Power [W] 27.7 46.0 70.5 97.9 133.1	2.629 FOC 60A (6- Torque [N×m] 0.233 0.325 0.433 0.534 0.652	3605 -14S) B1 RPM 1136 1350 1554 1751 1949	DTTOM Thrust (sf) 523 740 1002 1231 1489	12S Efficiency [%] 68.61 73.6 76.18 78.51 80.63	MAX 76°C Efficien (gf/W) 12.9 11.9 10.8 9.9 9.0
100 MAD 8) (%) 30 35 40 45 50 55	45.45 X08-II 100KV Voltage (V) 48.09 48.02 47.92 47.79 47.56 47.14	28.64 FLUXER F Current [A] 0.84 1.3 1.93 2.61 3.47 4.63	1301.7 PRO 28x9.2 Input Power [W] 40.4 62.4 92.5 124.7 165.0 218.3	992.5 in <b>Circular</b> Output Power (V) 27.7 46.0 70.5 97.9 133.1 178.2	2.629 FOC 60A (6- [N×m] 0.233 0.325 0.433 0.534 0.652 0.792	3605 -145) B4 -1136 -1350 -1354 -1355 -1554 -1751 -1949 -2148	CTTOM Thrust [gf] 523 740 1002 1231 1489 1829	12S Efficiency [%] 68.61 73.6 76.18 78.51 80.63 81.62	MAX 76°C Efficien (gf/W) 12.9 11.9 10.8 9.9 9.0 8.4
100 MAD 8) (%) 30 35 40 45 50 55 60	45.45 X08-II 100KV Voltage (V) 48.09 48.02 47.92 47.92 47.56 47.14 47.09	28.64 FLUXER F Current (A) 0.84 1.3 1.93 2.61 3.47 4.63 5.78	1301.7 PRO 28x9.2 Input Power [W] 40.4 62.4 92.5 124.7 165.0 218.3 272.2	992.5 in <b>Circular</b> Output Power [V/] 27.7 46.0 70.5 97.9 133.1 178.2 223.0	2.629 FOC 60A (6- [N-m] 0.233 0.325 0.433 0.534 0.652 0.792 0.915	3605 -145) B4 RPM 1136 1350 1554 1751 1949 2148 2327	CTTOM Thrust [gf] 523 740 1002 1231 1489 1829 2106	12S Efficiency [%] 68.61 73.6 76.18 78.51 80.63 81.62 81.92	MAX 76°C Efficient (st/W) 12.9 11.9 10.8 9.9 9.0 8.4 7.7
100 MAD 82 (%) 30 35 40 45 50 55 60 65	45.45 X08-II 100KV Voltage (V) 48.09 48.02 47.92 47.92 47.56 47.14 47.09 46.94	28.64 FLUXER F Current [A] 0.84 1.3 1.93 2.61 3.47 4.63 5.78 7.07	1301.7 PRO 28x9.2 Input Power [W] 40.4 62.4 92.5 124.7 165.0 218.3 272.2 331.9	992.5 in <b>Circular</b> 27.7 46.0 70.5 97.9 133.1 178.2 223.0 272.5	2.629 FOC 60A (6- [N-m] 0.233 0.325 0.433 0.534 0.652 0.652 0.692 0.915 1.040	3605 14S) B RPM 1136 1350 1554 1755 1949 2148 2327 2502	CTTOM Thrust [st] 523 740 1002 1231 1489 1829 2106 2380	12S Efficiency [%] 68.61 73.6 76.18 76.18 80.63 81.62 81.62 81.92 82.11	MAX 76°C Efficiene (gf/W) 12.9 11.9 10.8 9.9 9.0 8.4 7.7 7.2
100 MAD 82 (%) 30 35 40 45 50 55 60 65 70	45.45 X08-II 100KV Voltage (V) 48.09 48.02 47.92 47.79 47.79 47.56 47.14 47.09 46.94 46.84	28.64 FLUXER F Current (A) 0.84 1.3 1.93 2.61 3.47 4.63 5.78 7.07 8.7	1301.7 PRO 28x9.2 Input Power [W] 40.4 62.4 92.5 124.7 165.0 218.3 272.2 331.9 407.5	992.5 in <b>Circular</b> 27.7 46.0 70.5 97.9 133.1 178.2 223.0 272.5 335.7	2.629 FOC 60A (6- (N=m) 0.233 0.325 0.433 0.534 0.652 0.792 0.792 0.792 0.915 1.040 1.198	3605 14S) B RPM 1136 1350 1554 1751 1949 2148 2327 2502 2676	CTTOM Thrust [sf] 523 740 1002 1231 1489 1829 2106 2380 2801	12S Efficiency (%) 68.61 73.6 76.18 78.51 80.63 81.62 81.92 82.11 82.38	MAX 76°C Efficienc (sf/W) 12.9 11.9 10.8 9.9 9.0 8.4 7.7 7.2 6.9
100 MAD 83 (hrottle (%) 30 35 40 45 50 55 60 65 70 75	45.45 X08-II 100KV Voltage (V) 48.09 48.02 47.92 47.56 47.56 47.59 47.56 47.79 46.94 46.84 46.68	28.64 FLUXER F Current [A] 0.84 1.3 1.93 2.61 3.47 4.63 5.78 7.07 8.7 10.16	1301.7 PRO 28x9.2 Input Power [W] 40.4 62.4 92.5 124.7 165.0 218.3 272.2 331.9 407.5 474.3	992.5 in <b>Circular</b> 27.7 46.0 70.5 97.9 133.1 178.2 223.0 272.5 335.7 392.8	2,629 FOC 60A (6- (x+m) 0,233 0,325 0,325 0,335 0,534 0,534 0,534 0,534 0,792 0,915 1,040 1,198 1,319	3605 14S) B RPM 1136 1350 1554 1751 1949 2148 2327 2502 2502 2505 2444	CTTOM Thrust (st) 523 740 1002 1231 1489 1829 2106 2380 2801 3053	12S Efficiency (%) 68.61 73.6 76.18 78.51 80.63 81.62 81.92 82.11 82.38 82.83	MAX 76°C Efficienc (sf/W) 12.9 11.9 10.8 9.9 9.0 8.4 7.7 7.2 6.9 6.4
100 MAD 83 hrottle (%) 30 35 40 45 50 55 60 65 70 75 80	45.45 XOB-II 100KV Voltage (M) 48.09 48.02 47.79 47.79 47.56 47.14 47.09 46.94 46.84 46.68 46.68	28.64 FLUXER F Current (A) 0.84 1.3 1.93 2.61 3.47 4.63 5.78 7.07 8.7 10.16 12.43	1301.7 PRO 28x9.2 Power [W] 40.4 62.4 92.5 124.7 165.0 218.3 272.2 331.9 407.5 474.3 577.9	992.5 in <b>Circular</b> 27.7 46.0 70.5 97.9 133.1 178.2 223.0 272.5 335.7 392.8 476.1	2.629 FOC 60A (6- (N-m) 0.233 0.325 0.325 0.325 0.433 0.534 0.652 0.792 0.915 1.040 1.198 1.319 1.513	3605 145) B RPM 1136 1350 1554 1355 1359 248 2327 248 2327 2505 2675 2675 2644 3005	CTTOM Thrust [st] 523 740 1002 1231 1489 1829 2106 2380 2801 3053 3469	12S Efficiency (%) 68.61 73.6 76.18 78.51 80.63 81.62 81.62 81.92 82.11 82.38 82.83 82.39	MAX 76°C Efficienc [gfw] 12.9 11.9 10.8 9.9 9.0 8.4 7.7 7.2 6.9 6.4 6.0
100 MAD 8) hrottle (%) 30 35 40 45 50 55 50 55 60 60 65 70 75 80 85	45.45 X08-II 100KV Voltage (V) 48.09 48.02 47.79 47.79 47.56 47.14 47.09 46.94 46.84 46.68 46.49 46.32	28.64 FLUXER 1 Current (A) 0.84 1.3 2.61 3.47 4.63 5.78 7.07 8.7 10.16 12.43 14.57	1301.7 RO 28x9.2 Fower [W] 40.4 62.4 92.5 124.7 165.0 218.3 272.2 331.9 407.5 331.9 407.5 577.9 674.9	992.5 in Circular I 27.7 46.0 70.5 97.9 133.1 178.2 223.0 272.5 335.7 392.8 476.1 557.6	2.629 FOC 60A (6- [N-m] 0.233 0.325 0.433 0.433 0.433 0.433 0.433 0.453 0.652 0.792 0.915 1.040 1.198 1.319 1.319 1.513 1.684	3605 145) B RPM 1136 1554 1554 1554 1554 1554 2148 2227 248 248 2227 248 248 248 248 248 248 248 248	CTTOM Thrust [gf] 523 740 1002 1231 1489 1829 2106 2380 2800 2800 3053 3469 3898	12S Efficiency (%) 68.61 73.6 76.18 78.51 80.63 81.62 81.92 82.11 82.38 82.38 82.39 82.62	MAX 76°C Efficienc [gfw] 12.9 11.9 10.8 9.9 9.0 8.4 7.7 7.2 6.9 6.4 6.0 5.8

#### Trouble Shooting

You can instantly tall the ESC's status by observing the LED indicator and emitted sounds.

LED Indicator/Sound	Cause Collection	Solution		
he motor does not turn after the aircraft is nlocked, but only after the throttle is raised.	Flight control or remote control output unlocked idle throttle value less than 1100uS.	Set the idle throttle value of the flight control or remote control to be greater than 1100uS.1160uS-1180uS is recommended		
When the plane is powered on, connect the remote ontrol and the motor turns	The remate control is set to lock the throttle over 1100uS, or close to 1100uS	The remote control needs to set the lock throttle less than or equal to 1030uS.		
When the power-on self-test fails, the motor beeps" every 1.5 seconds, and the indicator light ashes yellow briefly.	The chrottle PWM signal is missing or the identification throttle PWM range is incorrect	Ensure that the throttle signal cable is properly connected, and check whether the signal cable is damaged.		
When the power-on self-test fails, the motor beeps" every 0.5 seconds, and the indicator light lashes yellow briefly.	Detects high throttle when get power and enters protected state	Make sure that the electric self-test passes before lifting the throttle.		
the mater does not sound. The indicator light lashes yellow 4 times every 1.5 seconds: "short - hiert - short-long".	If the power-on self-sest fails, the motor line loop may be disconnected.	Open the ESC cover and check whether the three motor wires are well welded.		
he motor does not sound. The indicator light ashes yellow 4 times every 1.5 seconds: "long - hort - long-short".	The power-on self-test fails, and the power supply voltage is abnormal	Check whether the battery voltage is normal. Check whether the power cable is properly connected		
The mater does not sound. The indicator light lashes yellow 4 times every 1.5 seconds: other lashing methods.	The power-on self-test fails, and the electrical hardware is abnormal.	Record the LED flashing mode video, contact MAD after-sales service;Replace the ESC and test again.		
he power-on self-test is normal, the motor does on turn after unlocking, and the indicator light is ellow for $0.5$ seconds — the motor does not ound when the indicator light is off for $0.5$ econds.	Motor startup failure, blocking protection occurred during startup	Power on and off again and restart the power supply. If it reappears, check whether the motor is damaged.		
he power-on self-test is normal, the motor does ot turn during operation, indicator light= 0.5 econds yellow light – 0.5 seconds off, the motor loes not sound	The motor is blocked and entered the protection state.	Check whether the machine is blocked because of blasting, check whether the motor is smooth by hand.		
he power-on self-test is normal, the motor does to start or stopp midway, indicator light: 1 second ellow light 1 second off, the motor does not ound	Short circuit or overcurrent protection occurs, and the device enters the protection state.	Disassemble the electric adjusting cover and check whether the motor line is damaged and whether the copper terminal of the motor line is loose.		
he indicator light flashes alternately red and green wring operation.	The PWM throttle signal is missing.	Make an emergency landing and check whether the PWM signal line is well connected and whether the signal line is damaged halfway.		
he indicator light flashes yellow every 0.2 seconds uuring operation.	The power-on self-test fails, and the electrical hardware is abnormal.	After the aircraft lands and stops, check whether the temperature of the ESC shell is too high. If the temperature is too high, check whether the screws of the five wring position of the ESC are loose.		

# **Our Services**

1. We provide 1 Year Warranty. Buy with confidence.

2. If you are not satisfied when you receive your item, please return it within 14 days for a replacement or money back. Please contact me before you return it.

3. If item is defective in 3 months, We will send you a replacement without extra charger, or offer refund after we receive the defective item.

4. If item is defective after 3 months, you can still send it back to us. We will send you a new one after receiving the defective item. But you have to pay the extra shipping fee.



# FAQ

Q1: Do you support OEM/ODM? A1: Yes. We can print your logo on the product. Q2: About samples. A2: Under normal circumstances, samples will be ready within 7 days, and 10-20 days for OEM/ODM orders. Sample fee and shipping will be charged. Q3: What is the delivery time? A3: For regular orders, we can ship within 15 days, for OEM/ODM, we can ship within 25-45 days (depending on the quantity). In the event of delays, we will notify you in advance of the status and resolution. Q4: What is the minimum order quantity? A4: There is no MOQ for wholesale (1 piece accepted), including OEM/ODM. Q5: What are your payment terms? A5: L/C.TT100%. Q6: Can you reduce the shipping cost? A6: When calculating the shipping cost for you, we always choose the cheapest and safest express. Although we have partnerships with shipping companies, we can't keep costs down because it's not us who get paid. If you think it's expensive for you. You can always make your own choice. Q7: Return policy. A7: If you want to replace the received item, you must contact us within 7 days after receiving the item. Returned items should be in their original condition and you should pay for additional shipping. Guangzhou Gesai Intelligent Electronic Technology Co., Ltd.

Kellyyangjing2021@outlook.com

C

outlook.com

Fuli Yingtong Building, the Pearl River New Town, Tianhe District, Guangzhou, Guangdong, China