



Professional 3-axis High-precise FOC Program

Stabilizing the Z18F is a highly optimized 3-axis camera gimbal with pinpoint-precise motor rotation with a control accuracy of $\pm 0.02^\circ$ powered by a dedicated processor. Z18F uses a unique mechanically limited design and concealed wires to ensure more stable data transmission and greater durability. Vibration is eliminated using four damping balls and a lightweight damping board, creating seamlessly smooth video. 300° rotation remains possible through gimbal rotation. Stable, smooth footage image can be captured even when flying at high speed flight.

18X Zoom Camera

Powered by 1/3 SENSOR CMOS module, with color 0.05lux@F1.6 ultra-low illumination, can still clearly display image features in the poor light environment, and has a wide dynamic range of 105dB. In the presence of backlight or strong light, the view of the over bright and over dark regions can still be captured at the same time. Q18F has 4 Mega effective pixels, supports 18x optical autofocus, and HD 1080P video recording. Design for UAV aerial photography, according to aerial characteristics, using fast focus algorithm, focus time $< 1s$.

18x Zoom Real Shot



Applications

Mainly supply in military and police law enforcement, fire-fighting, power tower and pipeline inspection, search and rescue etc.
A wide range of monitoring and searching is required in an emergency to quickly transfer the situation, improve response efficiency and reduce casualties.



Firefighting



Police and Law
Enforcement



Power Line
Inspection



Search and
Rescue



Specifications

Gimbal Spec	
Tilt/Roll/Pan	±90° / ±45° / ±150°
Vibration angle	Tilt/Roll: ±0.02°, Pan: ±0.03°
Camera spec	
Imager Sensor	1/3-type SENSOR CMOS
Picture quality	Full HD 1080 (1920*1080)
Effective pixel	4MP
Lens optical zoom	18x, F=4.7~84.6mm
Min object distance	1.5M
Horizontal viewing angle	54.8°(wide end) ~ 3.4°(tele end)
Shutter speed	Auto
Camera Object Tracking (Optional)	
Update rate of deviation pixel	50Hz
Output delay of deviation pixel	<15ms
SNR	4
Object size range	16*16 pixel ~ 160*160 pixel
Other Spec	
Working voltage	12V
Net Weight	695g
Product meas.	144*103*134mm

CONTACT CHINA MONEYPRO GROUP NOW:

EMAIL: SALES@MONEYPROUAV.COM

MOBILE: +86-18126437260 (WHAT'S UP) MS. AMY LUO