

## Flight Data Recorder Model TH-FDR



### Features:

- GPS + BD2 dual positioning modules
- CAN x 3 ; LIN x 2; LAN x 2
- Survives 1100°C high temperature fire
- Survival in 100m deep water for 240 hours
- Physical protection / Local storage
- Recommended for medium/small size flight
- Size: 130 x 93 x 55.5 mm ( 5.12 x 3.66 x 2.17 in )
- NWT: 1.20 kg ( 2.65 lb )

**Technical Specifications**

Audio / Video Input	IP Camera (RTSP)
Power	DC9 ~ 36V DC, < 8W ( in average )
Writing Circulation	PE : 3000 times
Storage Capacity	128G or tailored
Localization	GPS / BD2 dual positioning
CAN Bus	CAN × 3 ( 500 kbps )
LIN Bus	LIN x 2
Interface LAN	LAN x 2
Interface USB	USB 2.0 x 1 Type A
Sensor Signal -- Posture Sensor	3-axes acceleration ( ±16 g ) 3-axes angular rate ( ±16 dps ) 3-axes magnetic field ( ±16 gauss)
Sensor Signal -- Impact Sensor	3-axes acceleration ( ±200 g )
Switching Signal	DI: 8 CH / 5 ~ 28V
Event Logging	Signal events: 0.1ms, Posture events: 10ms
Data Logging	CAN Data Frame: 0.1ms, Video Frame: 1ms
Telecommunication	4G/5G
Fire Resistance	1100°C/ 15min 950°C/ 20min 260°C/ 120min
Deep Water Immersion	240hr at 100m deep water
Antishock	1008kPa/ 0.5ms ( 1kg TNT/ 1m )
Impact Shock	55 G ( all axes ) for 100ms
Static Crush	110 kN ( all axes ) 5 min
Rapid cooling	1100°C circumstance 1L/s water streams
Temperature Range	-40 ~ 75°C