

Skylark AAT Open API

V0.1

Interface definition

Serial Level: TTL

Serial data format: 1200 ,none,8 bit,1 stop

Data package protocol

Header1	Header2	Class	ID	Length	Payload	CheckSum
Fixed Value'T'	Fixed Value'M'	Message Class	Message ID	Length of the Payload		CRC16 CheckSum From Class to Payload end excluding Header1, Header2 and CheckSum fields.

Description

Use the little-endian format

Class is 0x0B, ID is 0x0B. The following is the detailed instructions.

Name		Byte	Data type	Description
Header1		1	Unsigned 8-bit integer	'T'
Header 2		1	Unsigned 8-bit integer	'M'
Class		1	Unsigned 8-bit integer	0x0B
ID		1	Unsigned 8-bit integer	0x0B
Length		2	Unsigned 16-bit integer	0x31(The length of Payload)
Payload	Including			
	Pitch	2	float	Pitch(0-9000), Unit: degrees(0-90)*100
	Yaw	2	float	Heading(-18000-18000), Unit: degrees(+/-180)*100
Checksum		2	Unsigned 16-bit integer	CRC16 CheckSum From Class to Payload end

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Wish you have a nice flight.

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