FFLITE-POWERBOXPLUS

PRODUCT DESCRIPTION

POWER BOX PLUS USES THE OBD INTERFACE TO CONNECT TO THE VEHICLE, SUPPORTS J1939, J1850, J1708 PROTOCOLS, AND OUTPUTS TO THE HOST THROUGH THE SERIAL PORT AFTER ANALYSIS. IT IS SUITABLE FOR DIESEL COMMERCIAL VEHICLES SUCH AS HEAVY TRUCKS, BOX TRUCKS, AND PICKUPS.

PRODUCT FEATURES

- SUPPORT 3-WAY IO DETECTION
- SUPPORT 1 CHANNEL RS232, WITH 12V OUTPUT, THE CURRENT CAN REACH 0.5A
- SUPPORT 2-WAY CAN
- SUPPORT J1939 PROTOCOL
- SUPPORT J1708/J1850/K-LINE PROTOCOL, CHOOSE ONE OF THREE
- SUPPORT 1 CHANNEL IBUTTON ACCESS

PRODUCT SPECIFICATIONS

- RS232: 1 CHANNEL
- SENSOR IN: 3 INPUTS
- IBUTTON: 1 CHANNEL
- CAN : 2 CHANNEL
- K-LINE: 1 CHANNEL (J1708/J1850/K-LINE) CHOOSE ONE OF THREE
- ENTER: DC 9-36V

- OUTPUT: 12V@500MA
- STANDBY POWER CONSUMPTION: 24V@5MA
- SIZE: 86 MM X 78 MM X 27 MM (3.3IN X 3IN X 1IN)
- WEIGHT: 85G (3OZ)
- OPERATING TEMPERATURE: -40ºC +70ºC (-40°F + 158°F)
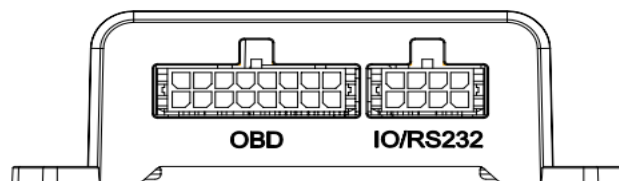- WORKING HUMIDITY: 8%-95% (NO CONDENSATION)

Dimensions（mm）
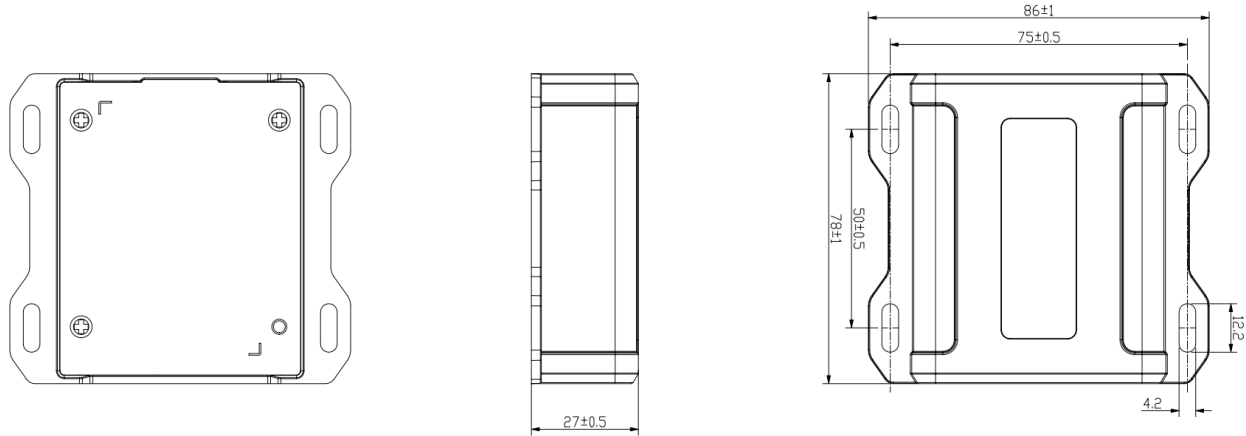
Panel interface

Front panel：
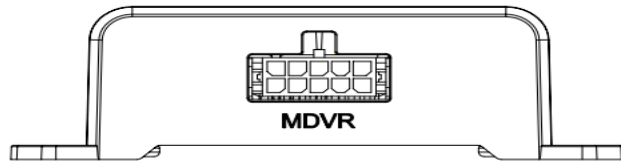
Nnumber	Silk screen	Explanation
1	MDVR	Mainly connected to FleetFlix Lite Pro+ or MDVR

Rear panel：

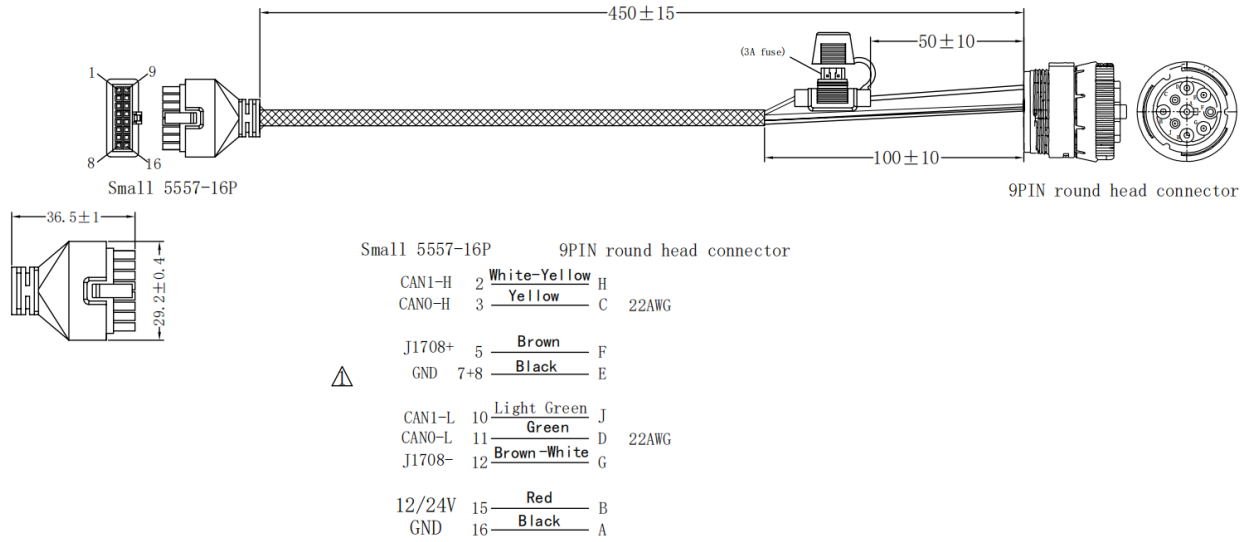| Number	Silk screen	Explanation
1	OBD	Connect the vehicle OBD interface
2	IO/RS232	For IO input and serial port peripherals

Definition of external cable interface

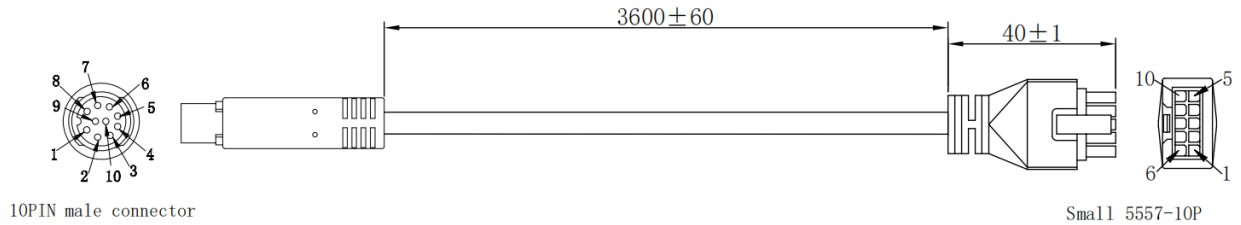Interface definition of alarm serial port connection line
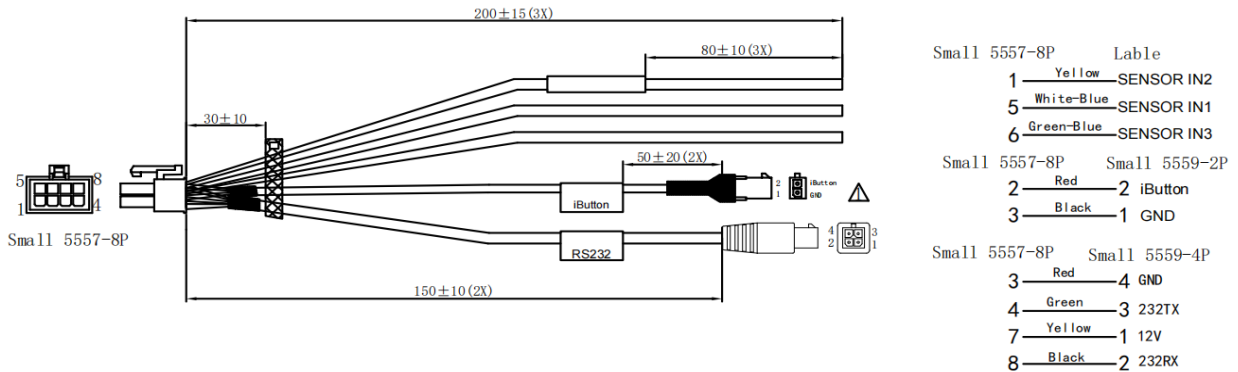
OBD cable interface definition (standard OBD II(16PIN), optional 9PIN round head)

Optional 9PIN wire

450±15

(3A fuse)

50±10

100±10

Small 5557-16P

9PIN round head connector

36.5±1

29.2±0.4

Small 5557-16P				9PIN round head connector
CAN1-H	2	White-Yellow	H	
CAN0-H	3	Yellow	C	22AWG
J1708+	5	Brown	F	
GND	7+8	Black	E	
CAN1-L	10	Light Green	J	
CAN0-L	11	Green	D	22AWG
J1708-	12	Brown-White	G	
12/24V	15	Red	B	
GND	16	Black	A	
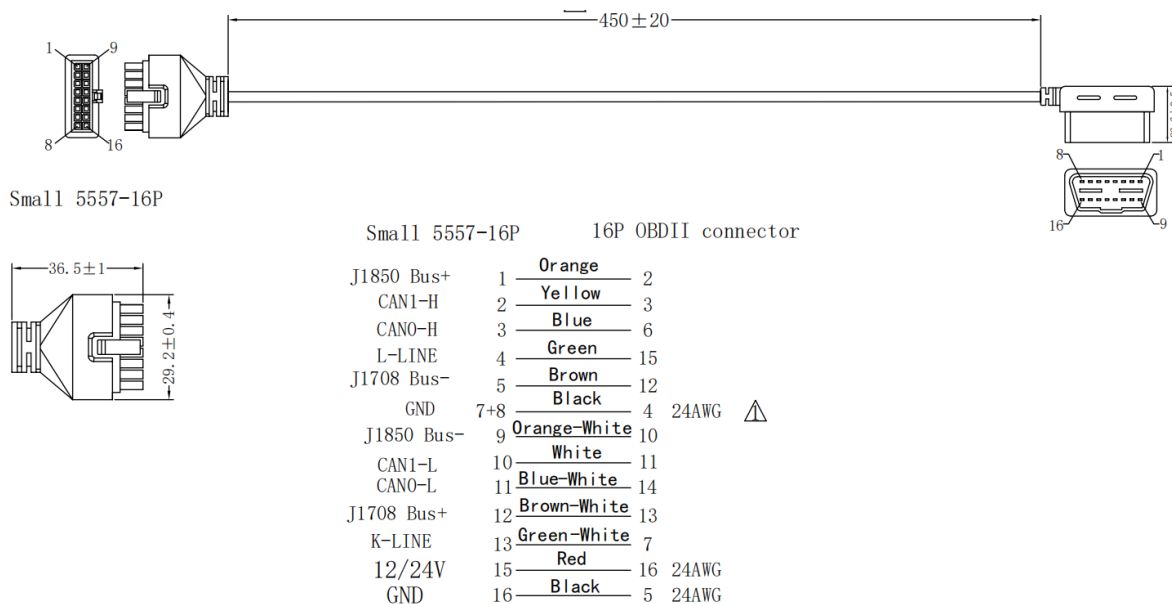
Host connecting cable (FleetFlix Lite Pro+)

3600±60

40±1

10PIN male connector

Small 5557-10P

10PIN male connector			Small 5557-10P	
3	Yellow	1	CAN0-H	
2	Green	2	CAN0-L	
4	White	3	3.3V	
5	Pink	4	4G-RI	
6	Purple	5	4G-DTR	
10	Red	6	DC IN+	
9	Black	7	GND	
7	Brown	8	232TX	
8	Gray	9	232RX	
1	Orange	10	ACC	

System connection diagram
(Connecting FleetFlix Lite Pro+)
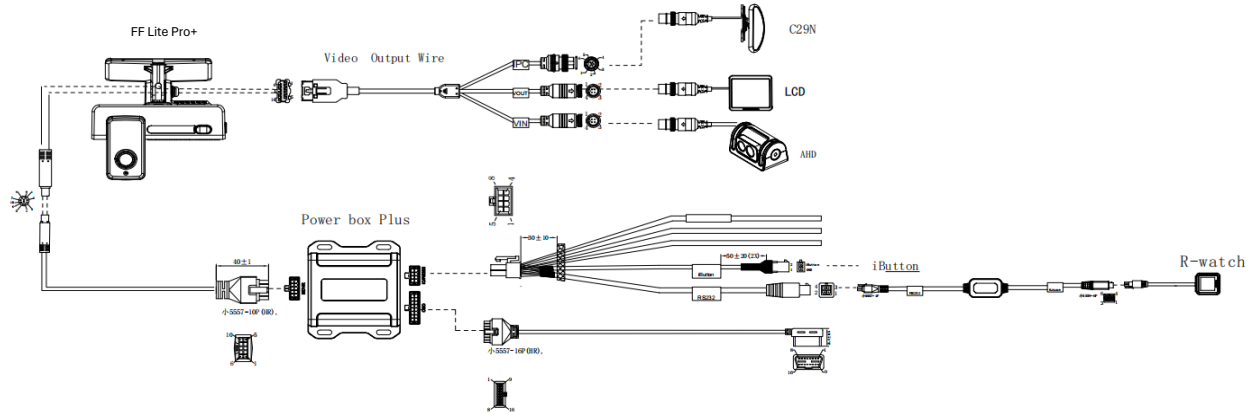
System connection diagram
（Connect MDVR, with M1N-TKH as the column)