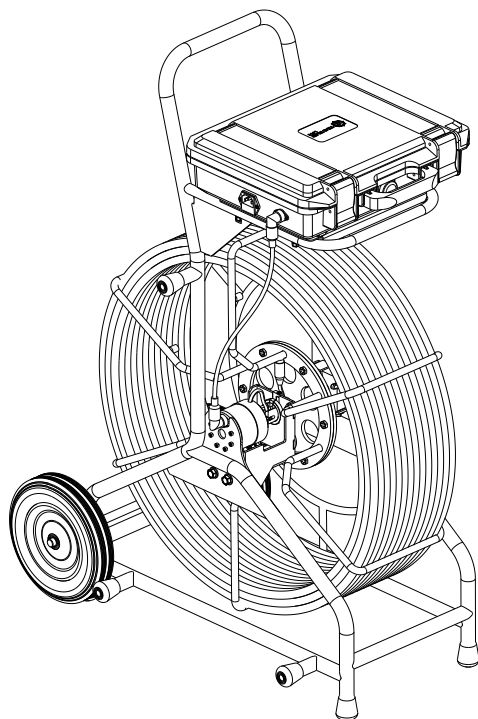




SPARTAN TOOL

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SINCE 1943



PRODUCT MANUAL TRAVELER XL

► Read this manual carefully before operating this system



WARNING

1. Do not operate the device in environments containing flammable or explosive materials (e.g., gas, oil, solvents).
2. Avoid using the device in extremely cold, hot or humid environments; otherwise it may damage the device. Do not drop or press hard on the device.
3. Do not use parts or components from other manufacturers, as they may be incompatible and could damage the system.
4. Warranty invalid if the device is disassembled by users or if there are any physical damages.
5. The fiberglass push cable is very rigid. Do not bend it sharply or apply excessive force, as this may cause breakage.

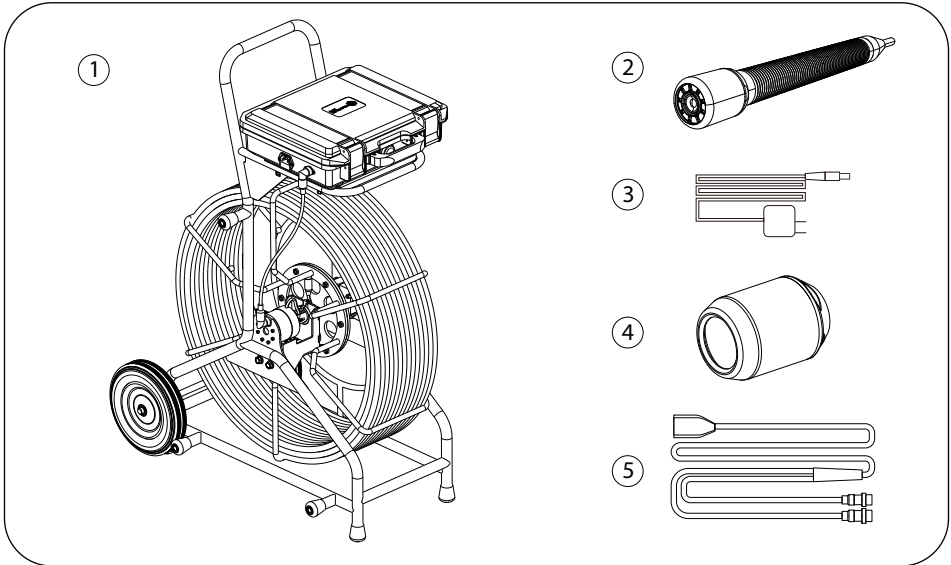


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Product List



- (1) Traveler XL
- (2) Camera head, 40 mm, HD
- (3) AC power cord
- (4) Centering guide
- (5) Testing cord



Specifications

Item	Description
Battery (In the case)	YBG 18650-2S3P, 7500 mAh, 7.4 V, 55.5 Wh
Battery Life	Up to 8 hours
Cable Length	61M (200FT)
Camera Light	Built-in White LED lights (9 LEDs)
Camera Angle-of-View	120°
Camera Image	1920×1080
System Operating Temperature	-30℃ ~+70℃

Application:

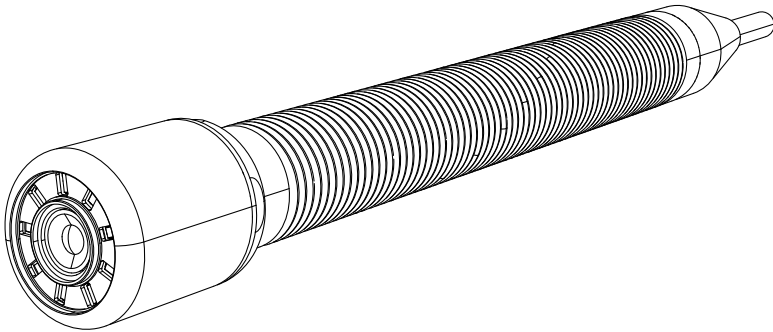
1. Pipe inspection
2. Waste water system inspection
3. Cable ducting system inspection
4. Ventilation system inspection

WARNING:

Draining the battery completely will reduce the battery capacity.



40mm Camera Head (with self-leveling)



Working environment:

Temperature: $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Technical specifications:

(1) Power input: DC 9~13V, 3W (max)

(2) Camera module:

- 1) Image sensor: 1/3 inch CMOS
- 2) Effective pixel array: 1920 (H)x1080 (V)
- 3) White Balance: Automatic
- 4) Gain Control: Automatic
- 5) Signal-to-noise ratio: $> 52\text{dB}$ (AGC OFF)
- 6) Video output: 1.0Vp-p/75R
- 7) Input voltage: DC3.3-5V
- 8) Current consumption: 110mA
- 10) Frame rate: 30FPS/25FPS

(3) Light Source:

- 1) LED quantity: 9 pcs
- 2) LED brightness: 200LM
- 3) LED current: 0~200mA

External interface:

CAM: Pins 1 to 4 are connected to
VIDEO, GND, +12V, LED

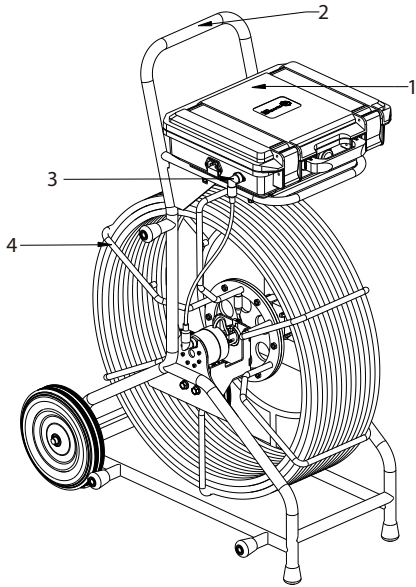
WARNING:

Continuously using the camera head with the maximum LED intensity may reduce LED life.



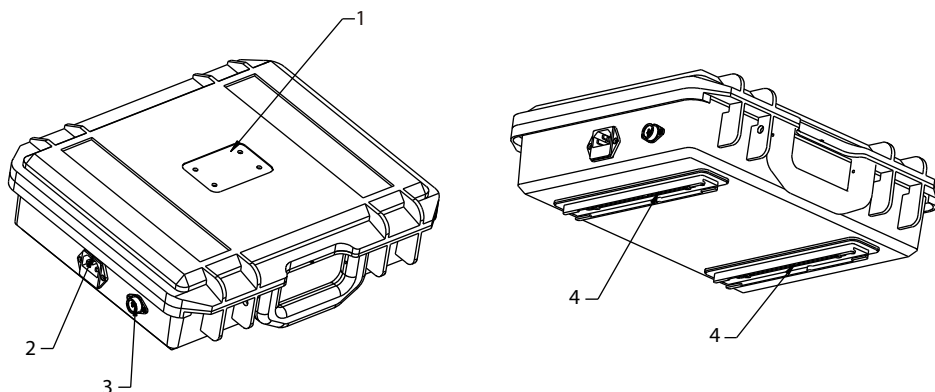
Parts & Accessories

Traveler XL



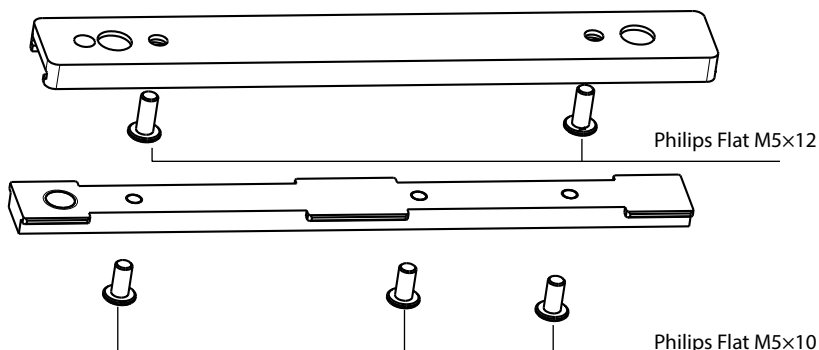
Item	Part Number	Description	Qty.
1	64070056	Control box, Traveler XL	1
2	64070068	Body frame assembly, Traveler XL	1
3	64070055	video cable,Traveler XL	1
4	64070075	Cable reel w/ cable,Traveler XL	1
	64070076	Cable reel w/ cable, Traveler XL blue	1
	64070077	Cable reel w/ cable, Traveler XL 300 ft	1

Control Box (64070056)

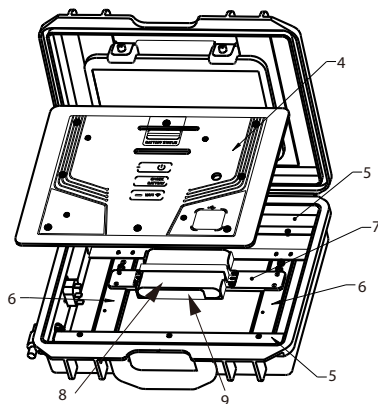
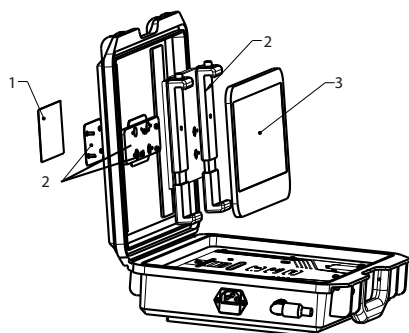


Item	Part Number	Description	Qty.
1	64070067	Decal, control box, Traveler XL	1
2	64070020	AC receptacle	1
3	64070029	Aviation connector, control box	1
4	64070034	Rail assembly, control box	2

Rail assembly, control box (64070034)

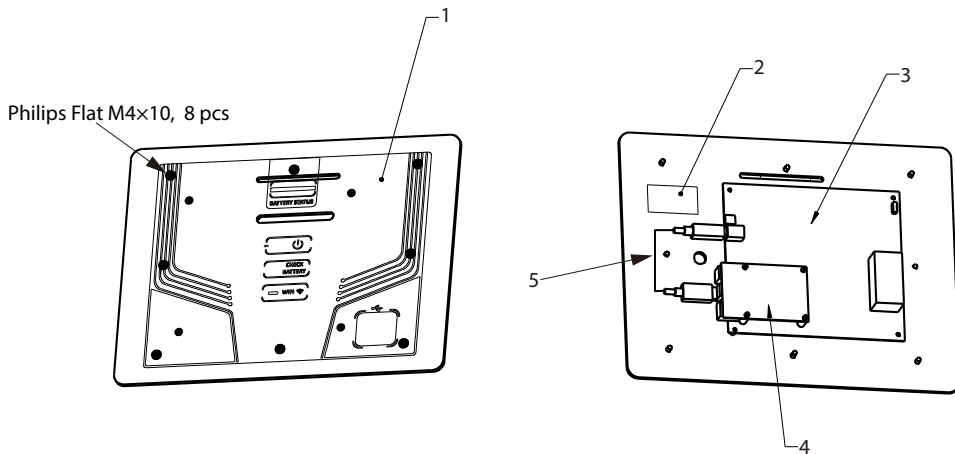


Control Box (inside)



Item	Part Number	Description	Qty.
1	64070067	Decal, control box, Traveler XL	1
2	64070033	Tablet holder	1
3	64070032	Spartan iPad with tough case	1
4	64070066	Control panel assembly w/ PCBA, Traveler XL	1
5	64070016	Control panel stand	2
6	64070018	Vertical bar, control box	2
7	64070019	Horizontal bar, control box	1
8	64050035	Battery, Traveler, 6-cell	1
9	64070017	Battery holder	1

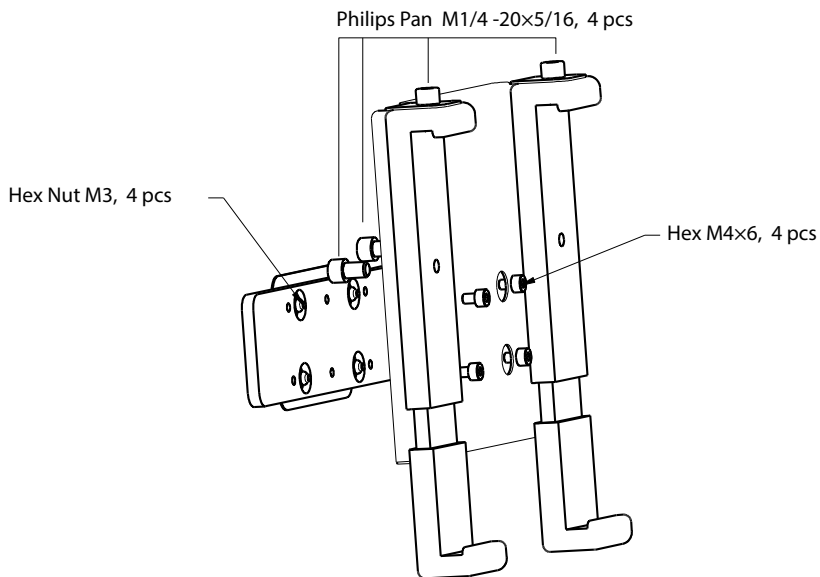
Control Panel Assembly with PCBA (64070066)



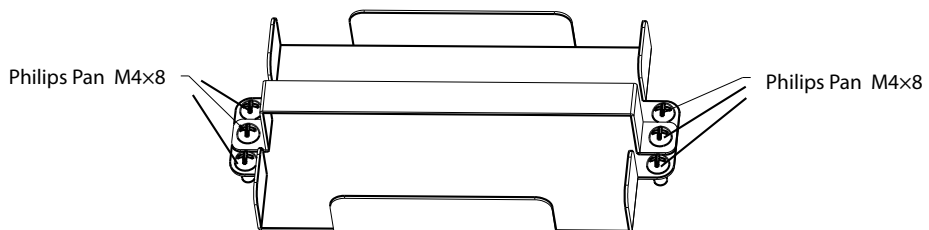
Item	Part Number	Description	Qty.
1	64070003	Control panel assembly	1
2	64070004	Wi-Fi Antenna	1
3	64070065	Interface board, Traveler XL	1
4	64070002	Video processing card	1
5	64060036	Cable, USB A to USB B, 100MM	1



Tablet holder, TL (64070033)

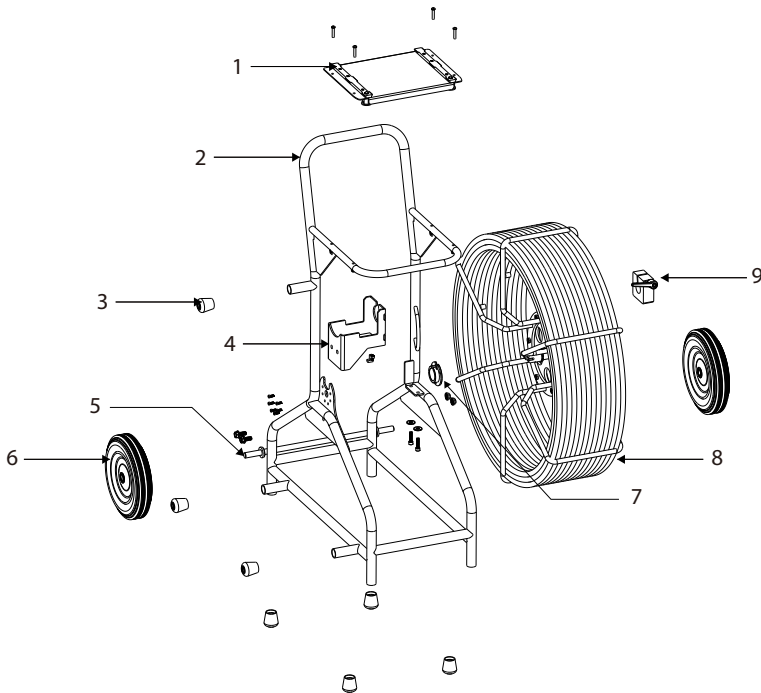


Battery holder, TL (64070017)



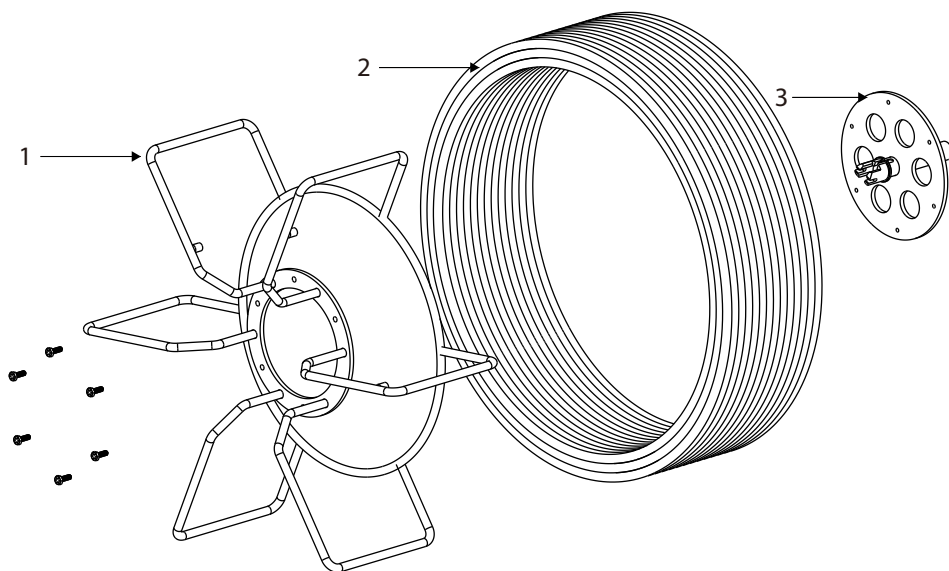


Body frame assembly, TravelerXL



Item	Part Number	Description	Qty.
1	64070057	Control box mounting plate,Traveler XL	1
2	64070068	Body frame,Traveler XL	1
3	64070069	Foot,Traveler XL	7
4	64070070	Mounting bracket, slipping,Traveler XL	1
5	64070071	Wheel shaft assembly,Traveler XL	1
6	64070072	Wheel,Traveler XL	2
7	64070074	Bronze bearing, reel,Traveler XL	1
8	64070075	Cable reel w/ cable, Traveler XL blue	1
	64070076	Cable reel w/ cable	1
	64070077	Traveler XL 300 ft	1
9	64070078	Brake,Traveler XL	1

Cable reel w/ cable (64070075),Traveler XL



Item	Part Number	Description	Qty.
1	64070079	Cable reel, Traveler XL	1
2	64066606	Pushrod, 9mm, 200 ft	1
	64060019	Pushrod, 8mm, 200 ft	1
	64060045	Pushrod, 9mm, 300 ft	1
3	64070080	Hub, cable reel, Traveler XL	1



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