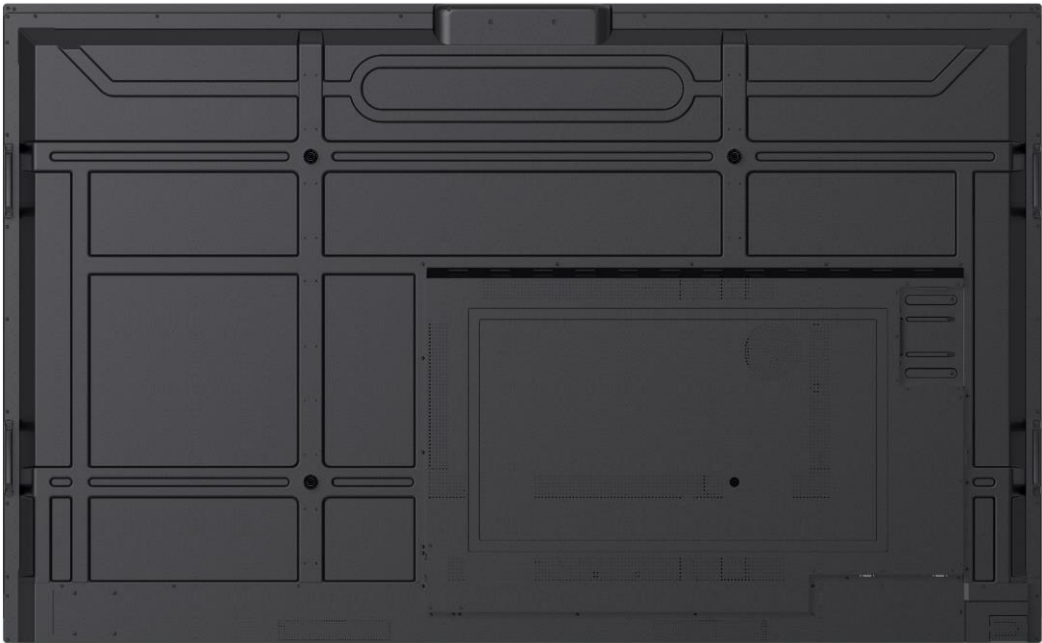
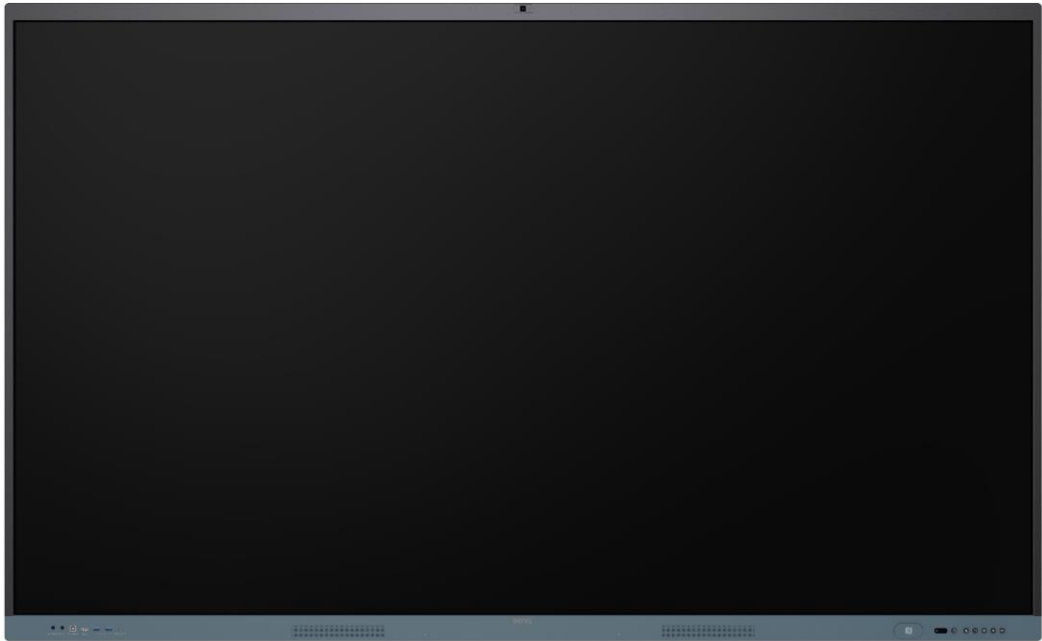


Disassembly Assessment Report

Product Type: D-LED

Model Number: RE8604FV

Performance Date: 2024.4.2



Contents

- 1.Product General Description
- 2.Product Assembly
- 3.Disassembly Tools
- 4.Disassembly Process
- 5.Disassembly Time
- 6.Mateial Category
- 7.Assessment Table
- 8.Summary

.Spec.:86"

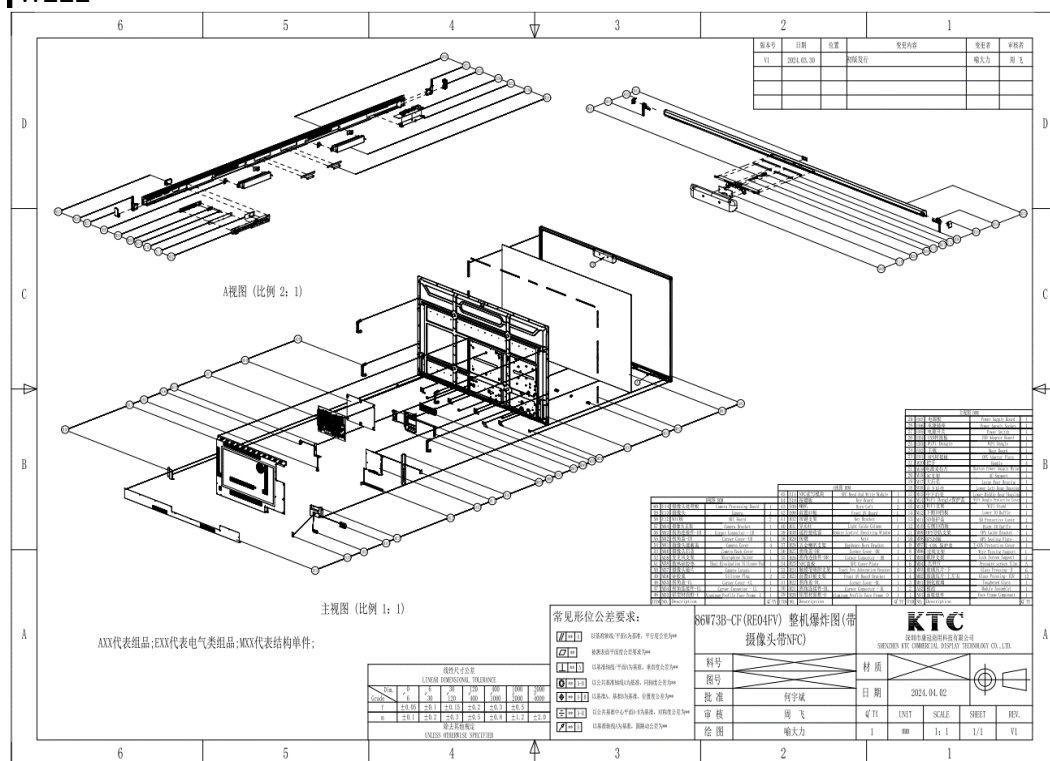
.Resolution: 4K UHD(3840x2160@60HZ)

.View Angle:178°(H) / 178°(V)

.Compliance of environment standard:

ROHS

WEEE



2.Product Assembly

Table 1 Disassembly Part Lists

Item	component	Description	Qty
1	6140-0090HA-06DD1001	90mm 6pin two-terminal wire	1
2	6140-0090HA-06DD1011	90mm 6pin two-terminal wire	1
3	6140-0400HA-51ZZ1021	400mm 51pin two-terminal wire	1
4	6140-0450E6-14PB1001	450mm 14pin two-terminal wire	1
5	6140-048076-20RB2011	480mm 20pin 3-terminal wire	1
6	6140-057545-04RZ2001	575mm 4pin 3-terminal wire	1
7	6140-0580F3-10UV1001	580mm 10pin two-terminal wire	1
8	6140-0720HA-51ZZ1001	720mm 51pin two-terminal wire	1
9	6140-0900F3-04SX1011	900mm 4pin two-terminal wire	1
10	6140-170063-18PZ1001	1700mm 18pin two-terminal wire	1
11	6140-200063-16PI2001	2000mm 16pin 3-terminal wire	1
12	6147-160028-01001101	160mm 1pin one-terminal wire	1
13	6149-007058-02WW1201	70mm TWO-terminal wire	1
14	6149-0650HA-51ZD1211	650mm TWO-terminal wire 51pin	1
15	614C-030058-05WZ2301	300mm 3-terminal wire	1
16	614C-0550E6-06Z21201	550mm two-terminal wire 6pin	1
17	614C-0560E6-08SB1201	560mm TWO-terminal wire	1
18	6254-250010-13310001	250V AC power socket	1
19	6264-250008-43220021	RS-2206 AC switch	1
20	7030-75W21K-X00000F4	75W21K Array button	1
21	7033-000W22-40011201	Light pipe	1
22	7034-75W21K-X0000014	75W21K Remote control receiving window	1
23	7049-86W73B-X0000004	86W73B-CF Microphone Mount	1
24	7088-86W73B-X0000004	86W73B-CF Camera back cover	1
25	7088-86W73B-X0000014	86W73B-CF Camera front cover	1
26	7096-86W73B-X0000004	86W73B-CF Keypad bracket	1
27	70A5-86W73B-X0000014	86W73B-CF Camera bracket	1
28	70AA-86W73B-X0000004	86W73B-CF WIFI bracket	1
29	70BJ-75W65B-X0000004	75W65B-CF NFC cover plate	1
30	7111-65W71B-X0000001	65W71B IO stop plate-D	1
31	7111-65W71B-X0000011	65W71B IO stop plate-R	1
32	7124-75W61B-X0000002	75W61B AC bracket	1
33	7143-75W61B-X0000052	75W61B Speaker bracket	4
34	7145-86W73B-X0000001	86W73B-CF Front AV plate fixing bracket	1
35	7155-65W21K-X0000022	65W21K OPS guide rail bracket	1
36	7163-86W73B-X0000001	86W73B-CF Touch pen adsorption bracket	2
37	71Y2-75W61B-X0000012	75W61B Metal back cover	1
38	71Y2-86W71B-X0000072	86W71B Metal back cover-LD	1
39	71Y2-86W73B-C0000002	86W73B-CF Metal back cover-MD	1
40	7422-860LGK-315AG674-F	86" TFT KTC K860WDG2-LF400A1(T) Panel	1
41	7711-A4828D-91030001	8 Ω 15W Speaker	2
42	7901-E10R28-01800604	18 6 0.25mm Heat-Shrinkable T bush	1
43	7907-0A0121-04102021	Line buckle	1
44	7907-4A1R14-0822R504	82.2 2.5 1.1mm Cable ties	8
45	7912-111015-2R900102	15 2.9 1.0mmT Shock-proof silicone pad	2

46	7912-323450-0040R511	450 4 0.5mmT EVA pad	5
47	7912-AA1020-015R0501	20 15 0.05mmT Shading mylar	14
48	7912-AA1410-29004302	410 290 0.43mmT Fire-proof mylar	1
49	7912-F11080-0110R101	80 11 0.1mmT Acetate tape	6/5000
50	7912-G81050-030R1201	50 30 0.12mmT Conductive tape	1
51	7912-G81090-008R1202	90 8 0.12mmT Conductive tape	4.5
52	7912-S11135-0061R502	135 6 1.5mmT Sound guide silicone sleeve	2
53	7912-S13010-0093R702	10 9 3.7mmT Cooling silicone-pad	1
54	7912-S13010-5R600302	10 5.6 3.0mmT Cooling silicone-pad	1
55	7921-121300-60116A51	Camera	1
56	7921-121300-60116A11	Camera	2
57	7921-121300-60116A31	Camera	1
58	7923-86W73B-01010004	86W73B-CF Camera lens	1
59	7B11-010543-03101401	ST1.6 5mm Screw	10
60	7B11-0302F0-00102111	M3 ×2.5mm Screw	1
61	7B11-030496-00101111	M3 4mm screw	28
62	7B11-0304K6-03305401	M3 4mm Screw	4
63	7B11-030636-00101402	M3 6mm screw	2
64	7B11-030686-50102111	M3 6mm screw	42
65	7B11-0306K6-03305401	M3 6mm Screw	60
66	7B11-0308A4-00105111	ST3 8mm screw	8
67	7B11-0308D3-30105111	ST3 8mm screw	1
68	7B11-0308K6-03305401	M3 8mm Screw	4
69	7B11-0405D6-40102111	M4 5mm screw	2
70	7B11-040676-00101402	M4 ×6mm Screw	4
71	7B11-0508G3-00105113	M5 ×8mm Screw	4
72	9010-24C000-0000101K	(GH1.25-7P) NFC Reading and writing module	1
73	9011-24002D-TU0010DK	A311D2 XF, A311D2.Y OutsourcingMotherboard	1
74	9012-242100-78501014	86" 785W Power board Two in-one power supply MP641SM-4P56	1
75	9015-112000-02071001	KJ_W61 Remote control receiving board + key board component Red&green	1
76	9032-240000-0000100K	(PHS2.0-4pin) USB Transfer board	1
77	9045-24C000-0000106K	OPS Transfer board	1
78	9068-24C000-000010GK	(2*Follow_USB3.0, 1*TC_USB_B, 1*HDMI, 1*TYPE-C, 1*MIC, 1*line out) Front adapter	1

Table 2 Recycle Characteristics

Recycle Characteristics	Part NO.
Reuse	——
Recycle	1-17、20、23-39、58-71
WEEE AnnesVII	40、55-57、72-78
Recovery	41
Disposal	18、19、21、22、42-54

3.Disassembly Tools



Philips Screwdriver



Nosed Pliers



Combination Pliers



Screwdriver



Gloves or soft cloth

4. Disassembly Process

Preparation before disassemble

1. Clean the room for disassemble

2. Identify the area for monitor

3. Check the position that the monitors be placed and quantity of the monitor; prepare the area for material flow; according to the actual condition plan the disassemble layout

4. Prepare the implement, equipment, and materials as below:

① Working table

② Electric screw-driver

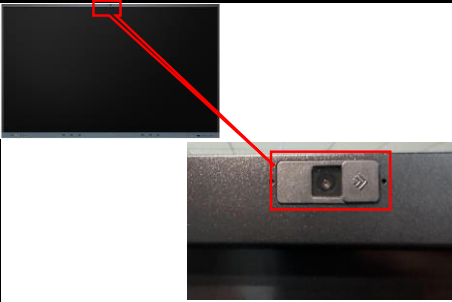
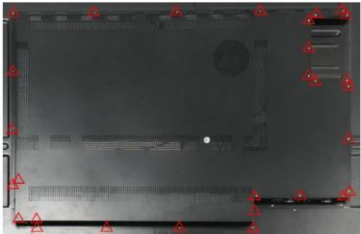
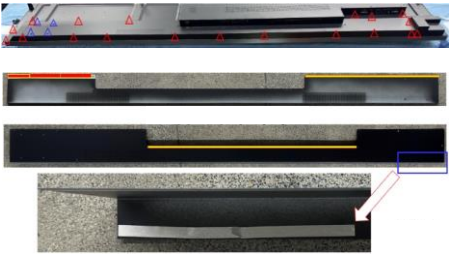
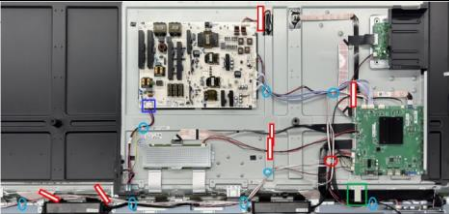
③ Manual screw-driver

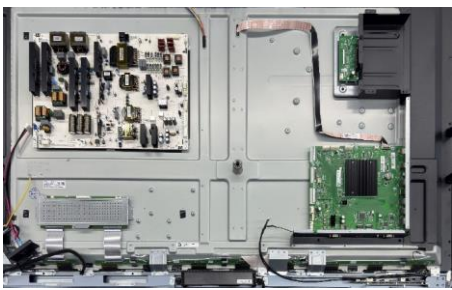
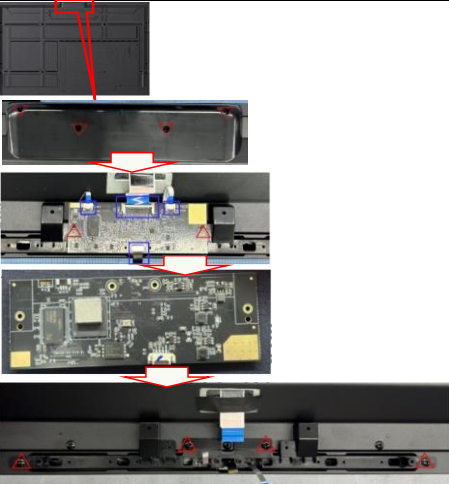
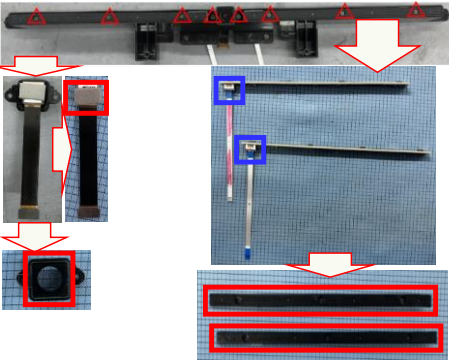
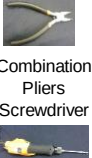
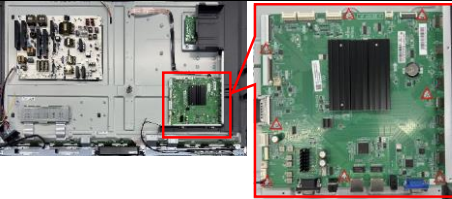
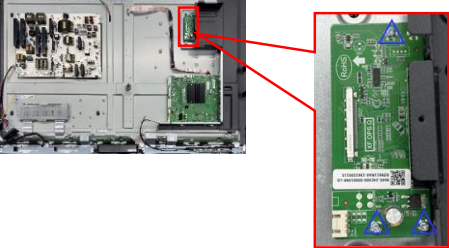
④ The corners of the screw-driver

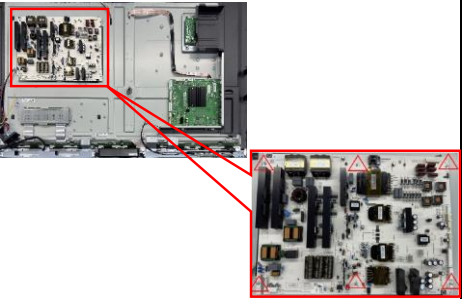
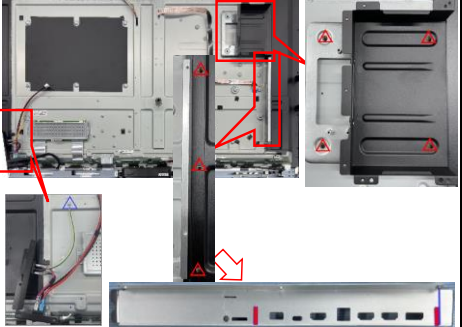
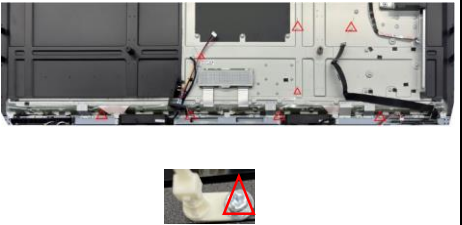
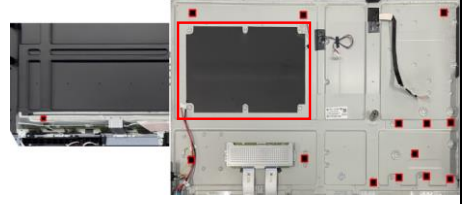
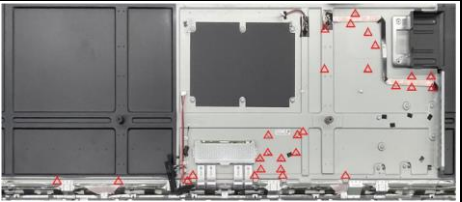
⑤ Glove

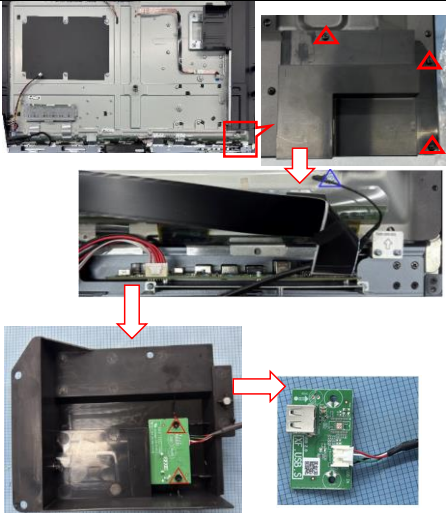
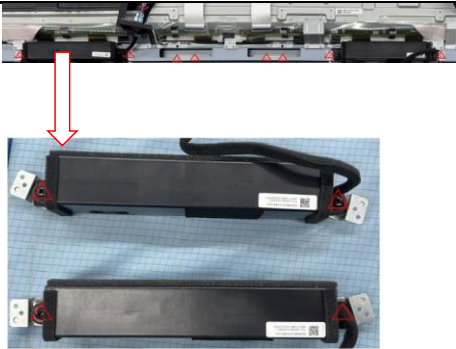
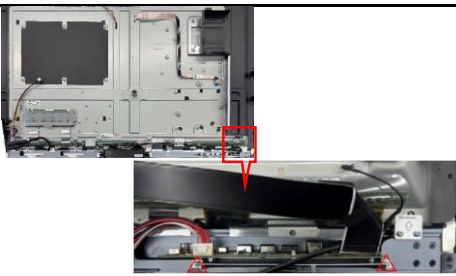
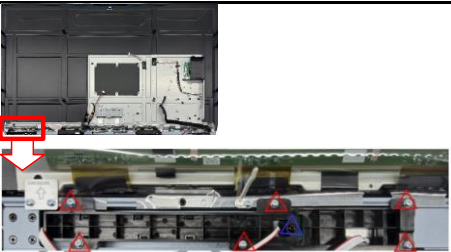
⑥ Cleaning cloth

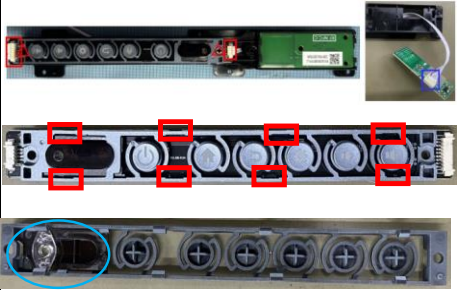
⑦ ESD Protection

No	Picture	Operation	Tool	Notes
1		1. Tear off the camera front cover	/	
2		1. Remove 30 pcs of M3 ×6mm screws on the back cover. 2. Remove the back cover.	 Screwdriver	
3		1. Remove 4 pcs of M3 ×6mm screws on the AC bracket.	 Screwdriver	
4		1. Remove 19 pcs of M3 ×6mm screws and 4 pcs of M4 ×6mm screws on the Metal back cover-MD, Metal back cover-LD and the IO stop plate-D. 2. Remove the Metal back cover-MD, Metal back cover-LD and the IO stop plate-D. 3. Tear off the EVA pad and the Conductive tape on the Metal back cover-MD	 Screwdriver	
5		1. Remove 1 pcs of wire holder. 2. Clean up 1 pcs white glue. 3. Tear off 6 pcs of the white tapes. 4. Tear off the Conductive tape. 5. Clip 8 pcs of the wire girdle with the Combination Pliers.	 Combination Pliers	

6		Unplug all wires .	/	
7		1.Remove 4 pcs of M3 ×8mm screws on the Camera back cover. 2.Remove the Camera back cover. 3.Unplug all wires. 4.Remove 2 pcs of M1.5×6mm screws on the the Camera processing board. 5.Remove the Camera processing board. 6.Tear off the Cooling silicone-pad on the back of the Camera processing board. 7.Remove 2 pcs of M3 ×8mm screws on the Microphone Mount. 8.Remove the Microphone Mount.	 Screwdriver	
8		1.Remove 8 pcs of M1.5 ×6mm screws to separate the Camera bracket and the MIC Processing Board. 2.Separate the Camera and the Camera bracket. 3.Tear off the Cooling silicone-pad on the back of the Camera. 4.Separate the Camera lens and the Camera bracket. 5.Unplug all wires 6.Tear off the silicone sleeve on the MIC Processing Board.	 Combination Pliers Screwdriver	
9		1.Remove 8 pcs of M3×6mm screws on the mainboard. 2.Remove the mainboard.	 Screwdriver	
10		1.Remove 3 pcs of M3×6mm screws on the the OPS adapter PCBA. 2.Remove the OPS adapter PCBA	 Screwdriver	

11		1.Remove 6 pcs of M3×6mm screws on the Power board. 2.Remove the Power board .	 Screwdriver	
12		1.Remove 4 pcs of M3×4mm screws on the OPS guide rail bracket. 2.Remove the OPS guide rail bracket . 3.Remove 3 pcs of M3×6mm screws on the IO stop plate-R. 4.Remove the IO stop plate-R. 5.Tear off the silicone pad from the plate-R. 6.Remove 1 pcs of M4×5mm screws 7.Remove the AC bracket	 Screwdriver	
13		1.Unplug the wires . 2.Remove 2 pcs of M3 × 6mm screws on the power socket . 3.Separate the power socket and power switch sub from the AC bracket.	 Combination Pliers  Screwdriver	
14		1.Remove 8 pcs of M3 × 6mm screws on the wire girdles. 2.Remove the wire girdles.	 Screwdriver	
15		1.Tear off 1 pcs of black Fireproof Mylar and 14 pcs of black tapes .	/	
16		Tear off the EVA pad.	/	
17		1.Remove 28 pcs of M3 × 4mm screws .	 Screwdriver	

18		1.Remove 1 pcs of M3 x2.5mm hexagon stud.	 Screwdriver	
19		1.Remove 3 pcs of M3 x6mm screws on the WIFI bracket. 2.Remove 1 pcs of M4 x5mm screw. 3.Remove the WIFI bracket. 4.Remove 2 pcs of M3 x8mm screws on the USB Transfer board. 5.Remove the USB Transfer board. 6.Unplug the wire.	 Screwdriver	
20		1.Remove 4 pcs of M3x6mm screws on the Touch pen adsorption bracket. 2.Remove 2 pcs of Touch pen adsorption brackets 3.Remove 4 pcs of M3x6mm screws to separate the two speaker assy. 4.Remove 4 pcs M5x8mm on the assy to separate the speakers.	 Screwdriver	
21		1.Remove 2 pcs of M3 x6mm screws . 2.Remove the AV board assy.	 Screwdriver	
22		1.Remove 3 pcs of M3 x6mm screws to separate the AV metal bracket.	 Screwdriver	
23		1.Remove 1 pcs of M3 x8mm screws . 2.Remove 6 pcs of M3 x6mm screws. 3.Remove the NFC cover plate and the Keypad bracket	 Screwdriver	

24		1. Separate the NFC Reading and writing module and Keypad bracket. 2. Unplug the wire. 3. Remove 2 pcs of M3 ×8mm screws to separate the key board component. 4. Separate the plastic keypad bracket from the keypad PCBA. 5. Remove Tawny plastic reception window and Colorless transparent light guide column from the keypad bracket.	 Screwdriver	
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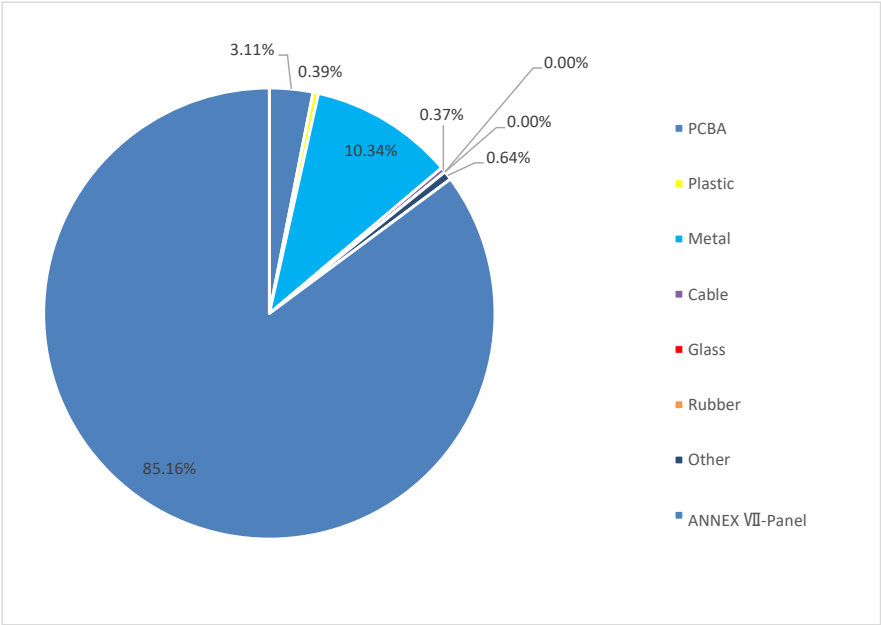
5.Disassembly Time

Total time:Two people around 30 minutes

6.Mateial Category

Table 3 Material Classification

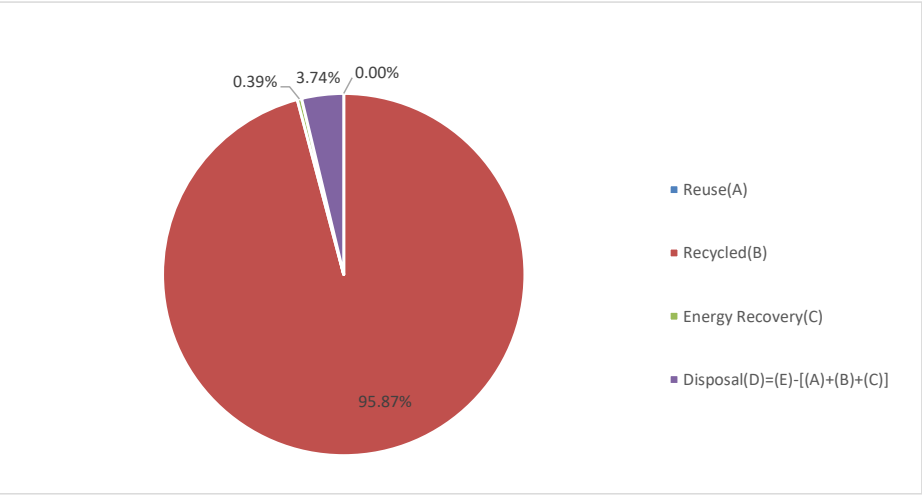
Category	Weight(g)	Percentage(%)
PCBA	1979.2	3.11%
Plastic	247.5	0.39%
Metal	6583.8	10.34%
Cable	235	0.37%
Glass	0	0.00%
Rubber	0	0.00%
Other	404.5	0.64%
ANNEX VII -Panel	54250	85.16%



7.Assessment Table

Table 4 Recycled Characteristic

Charateristics of Product Recycling	Result（g）
Reuse(A)	0.00
Recycled(B)	61068.80
Energy Recovery(C)	247.50
Product Weight(E)	63700.00
Disposal(D)=(E)-[(A)+(B)+(C)]	2383.70
R1:Reuse&Recycled Rate=[(A)+(B)]/(E)	95.87%
R2:Recovery Rate=[(A)+(B)+(C)]/(E)	96.26%



8.Summary

Table5 Summary of the Assessment

Assessment specification	WEEE Directive 2018/19/EU		
WEEE Directive Product Category	Consumer equipment and photoltaic panels		
	WEEE Requirement	Disassembly Result	Judgment (Pass/Fail)
Reuse+Recycled Rate(%)	70	95.87	Pass
Recovery Rate(%)	80	96.26	Pass