

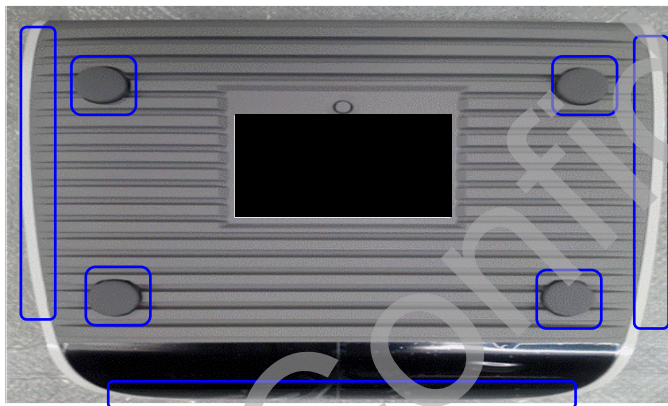
VISUAL INSPECTION

1. Gap between housing and connectors (IR, HDMI, LAN,USB, DC IN):
 $0 \leq \text{Gap} \leq 1.0\text{mm}$.
2. Step between connectors (IR, HDMI, LAN,USB, DC IN) and housing:
 $\text{Step} \leq 0.5\text{mm}$



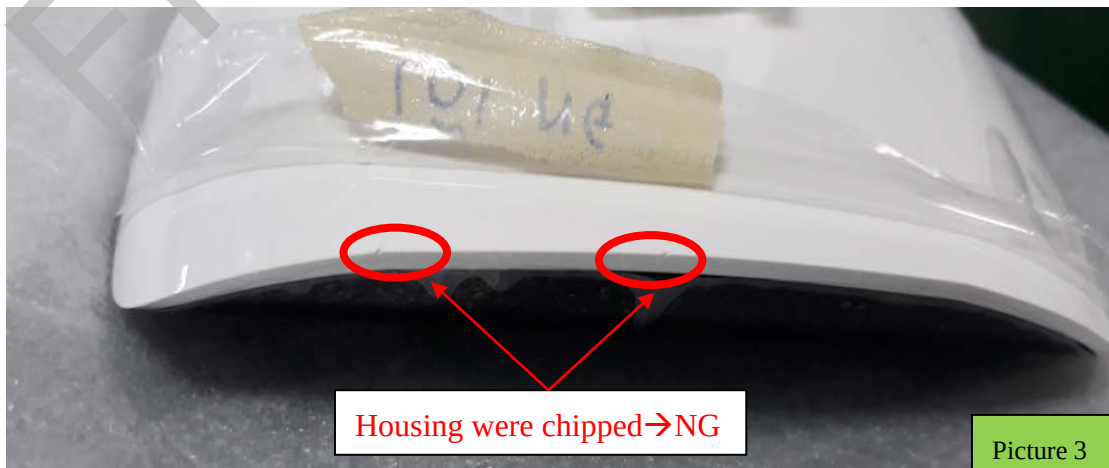
Picture 1

3. Gap between housing and top case and bot case/ len: $\text{Gap} \leq 0.4\text{mm}$;
Checking 4 rubber pads must be stuck in flat, closed, no chip, no missing.



Picture 2

4. No rough, chip surface, bending, broken, damage allowed, no scratch can feel by hand.



Housing were chipped→NG

Picture 3

5. Scratch standard



- Scratch can feel by hand → Reject
- Scratch can not feel by hand as below table 1:

Picture 4

Scratch Width	Maximum Length		
	Surface A	Surface B	Surface C
<0.05 mm	10 mm	20 mm	50 mm
0.06 - 0.1 mm	5 mm	10 mm	30 mm
0.11-0.15 mm	2 mm	5 mm	10 mm
0.16 - 0.20 mm	05 mm	1 mm	5 mm
Scratch quantity limit for STB	1	2 (distance between 2 marks >70mm)	4
Scratch quantity limit for RCU	2	3 (distance between 2 marks >20mm)	

Table 1

6. Black point and color difference standard as below table 2:

Defect limit	Scope	Defect quantity		
		Surface A	Surface B	Surface C
Color difference, black point, convexo-concave mark	For STB: ≥L 25cm x W20cm	3 positions ≤0.3mm ²	4 positions ≤0.5mm ²	5 positions ≤0.7mm ²
	For STB: <L 25cm x W20cm	2 positions ≤0.3mm ²	2 positions ≤0.5mm ²	3 positions ≤0.7mm ²
	RCU	2 positions ≤0.3mm ²	3 positions ≤0.5mm ²	

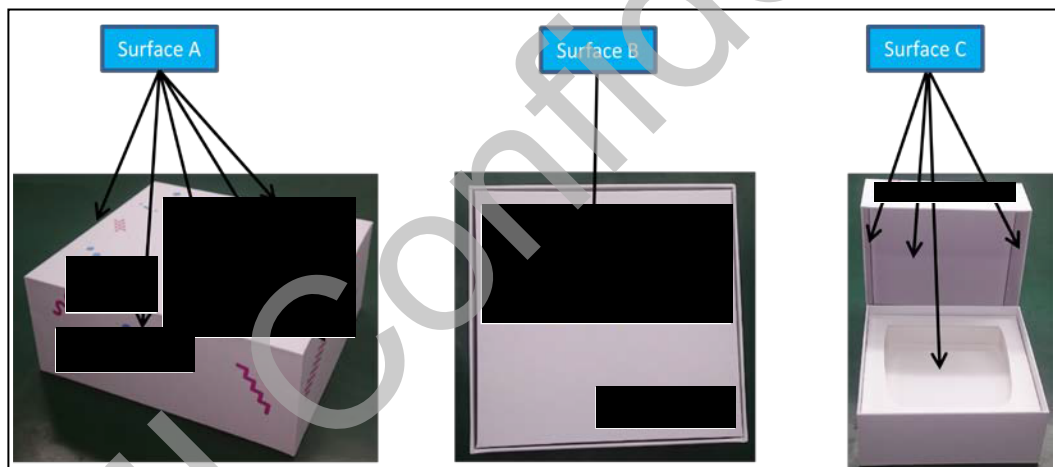
Table 2

7. No abnormal sound when shaking product.
8. Product label
 - 8.1 Need to be stuck in flat, no air bloat
 - 8.2 Sticking position need same as document defined, deviation $\leq$ 1mm
 - 8.3 Safety label, alarm label need to be printed clearly and distinguishable
 - 8.4 Letters and images need to be printed clearly, readable, not be interrupted, blear, not concurrent.
 - 8.5 Label can not be dirty
 - 8.6 Interrupted barcode can not exceed 1/4 height of barcode, barcode is readable.
 - 8.7 No missing, peel off and scratch.
 - 8.8 Form and content of label can not be deviated.

9. Gift-box

9.1. Gift-box area definition

Top surface+4 sides are Surface A, Bot surface is surface B, surface inside is surface C.



Picture 5

9.1.1. Dirty mark/ color difference (caused by printing process or gift-box contains spotted, black points, oil dregs or color difference,...)

- Dirty mark in Logo and product name→Reject
- Dirty mark if not affect to main images can follow below table 3 to decide (if in one surface has 2 points above, their distance must be >10cm)

Gift-box area	Defect dimension	Surface A	Surface B	Surface C
<=600 mm ²	<=4mm ²	2	3	OK
	<=16mm ²	1	2	OK
	<=25mm ²	NG	NG	OK
	>=25mm ²	NG	NG	NG
>=600 mm ²	<=4mm ²	3	4	OK
	<=16mm ²	1	2	OK
	<=25mm ²	NG	NG	OK
	>=25mm ²	NG	NG	NG

Table 3

9.1.2. Scratch line, dirty line or caused by printing process

- Dirty line in Logo and product name→Reject
- Dirty line if not affect to main images can follow below table 4 to decide:

Gift-box area	Line dimension	Surface A	Surface B	Surface C
<=600mm ²	<=1mm*1/2 length of surface	2	3	OK (gift-box not be exposed inside layer)
	<=3mm*1/2 length of surface	1	2	OK (gift-box not be exposed inside layer)
	>3mm*1/2 length of surface	NG	NG	NG
<=600mm ²	<=1mm*1/2 length of surface	2	3	OK (gift-box not be exposed inside layer)
	<=3mm*1/2 length of surface	1	2	OK (gift-box not be exposed inside layer)
	>3mm*1/2 length of surface	NG	NG	NG

Table 4

9.1.3. Oil dregs and water dregs

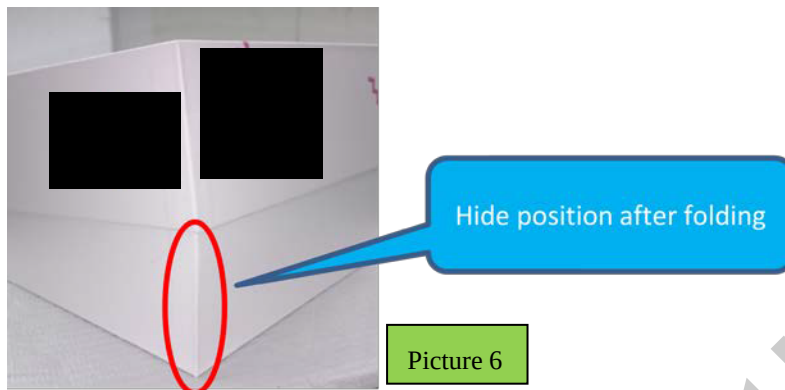
Oil dregs and water dregs if make gift-box be shortcoming→Reject

9.1.4. Glue mark

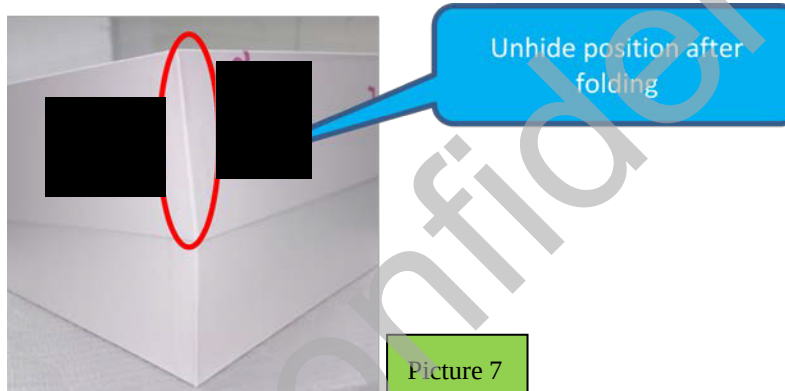
- Glue mark in Logo→reject
- Small and transparent glue mark, not affect to main images→Accept
- If have color, paper dregs with width<=1mm, not affect to main images→Accept

9.1.5. Torn

- Torn at unfold and unhide positions → Reject
- Torn at hide position (after folding), width ≤ 2mm → Accept (below picture 6)



- Torn at folded position (unhide after folding), width ≤ 2mm, length ≤ 15mm → Accept (below picture 7)



9.1.6. Wry

- Wry logo and wry product name → Reject
- Other position, width ≤ 2mm, length ≤ 1/2 length of edge → Accept

9.1.7. Concave point, concave mark

- Logo has concave point → Reject
- Concave at important content position in surface A → Reject
- Surface B, concave point ≤ 2mm, quantity ≤ 5 → Accept
- Concave point in surface C → Accept

9.1.8. Printing

- Logo and main letter be fail to print → Reject
- Accuracy in surface A and surface B ≤ 0.2mm → Accept
- Surface C → Accept

9.1.9. Edge

Edge at surface A, B, C with length ≤ 5mm → Accept