

VISUAL INSPECTION STANDARD PROPOSAL

Model: T99X171.00 (BFX-AT100)

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



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



Rubber pad

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

5. Scratch standard

5.1. Surface definition:

Surface A: main surface which user can see directly including top surface and front surface.



Surface B: including left and right surface



Surface C: including bottom surface and back surface.



5.2. Scratch can feel by hand → Reject

5.3. Scratch can not feel by hand as below table 1:

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 stucked in flat, no air bloat

8.2 Sticking position need same as document defined, deviation≤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.

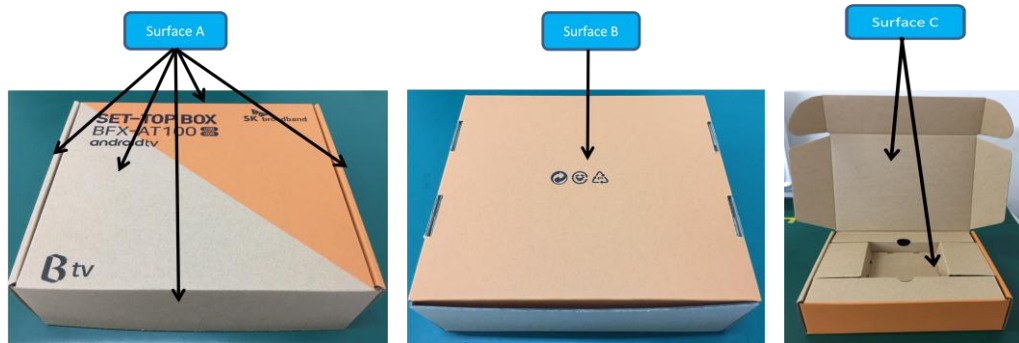
8.7 No missing, peel off and scratch.

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.



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
$\leq 600\text{mm}^2$	$\leq 1\text{mm} \times 1/2$ length of surface	2	3	OK (gift-box not be exposed inside layer)
	$\leq 3\text{mm} \times 1/2$ length of surface	1	2	OK (gift-box not be exposed inside layer)
	$> 3\text{mm} \times 1/2$ length of surface	NG	NG	NG
$\leq 600\text{mm}^2$	$\leq 1\text{mm} \times 1/2$ length of surface	2	3	OK (gift-box not be exposed inside layer)
	$\leq 3\text{mm} \times 1/2$ length of surface	1	2	OK (gift-box not be exposed inside layer)
	$> 3\text{mm} \times 1/2$ 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 $\leq 1\text{mm}$, not affect to main images→Accept

9.1.5. Torn

- Torn at unfold and unhide positions→Reject
- Torn at hide position (after folding), width $\leq 2\text{mm}$ →Accept
- Torn at folded position (unhide after folding), width $\leq 2\text{mm}$, length $\leq 15\text{mm}$ →Accept

9.1.6. Wry

- Wry logo and wry product name→Reject
- Other position, width $\leq 2\text{mm}$, length $\leq 1/2$ 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 $\leq 2\text{mm}$, 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 $\leq 0.2\text{mm}$ →Accept
- Surface C →Accept

9.1.9. Edge

Edge at surface A, B, C with length $\leq 5\text{mm}$ → Accept

10. Carton

10.1 Wrong part → Reject.

10.2 Dirty with diameter $> 20\text{mm}$ → Reject.

10.3 Carton is wet → Reject.

10.4 Carton is printed overlap image, blur lead to can not distinguish → Reject.

10.5 Printing content, image, dimension is not followed document → Reject.

10.6 Sticking location, content and material of label is not follow document → Reject.

10.7 Torn, concave with diameter $> 20\text{mm}$ → Reject.