



Ref. Certif. No.

SG-TN-01578A1

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)
CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product
Produit

Video recorder
(Digital Video Recorder)

Name and address of the applicant
Nom et adresse du demandeur

SAMSUNG TECHWIN CO., LTD.
42, Sungju-dong, Changwon-si,
Gyeongsangnam-do 641-716, REPUBLIC OF KOREA

Name and address of the manufacturer
Nom et adresse du fabricant

TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONIC CO., LTD., 11
WEILIU RD, MICRO-ELECTRONIC INDUSTRIAL PARK, TEDA, 300385
TIANJIN, PEOPLE'S REPUBLIC OF CHINA

Name and address of the factory
Nom et adresse de l'usine

SAMSUNG TECHWIN CO., LTD., 42, Sungju-dong, Changwon-si,
Gyeongsangnam-do 641-716, REPUBLIC OF KOREA
For further information please see attachment

Rating and principal characteristics
Valeurs nominales et caractéristiques principales

Rated voltage:	AC 100-240 V~
Rated frequency:	50/60 Hz
Rated current:	4-1.5 A
Protection class:	I
Laser class:	1

Trade mark (if any)
Marque de fabrique (si elle existe)

SAMSUNG

Model/type Ref.
Ref. de type

SRD-1652DN, SRD-1652DP, SRD-852DN,
SRD-852DP, SRD-1652D, SRD-852D
Remark: See the attachment for model description

Additional information (if necessary)
Information complémentaire (si nécessaire)

See Test Report for National and Group Differences

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

IEC 60065/A1:2005

as shown in the Test Report Ref. No.
which form part of this certificate
comme indiqué dans le Rapport d'essais numéro
de référence qui constitue une partie de ce
certificat

TÜV SÜD PSB Pte Ltd
077-206481-001

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Date, 2011-03-16
CBS 11 03 40676 023


(Ian Hwang)



TÜV SÜD PSB Pte Ltd · 1 Science Park Drive · Singapore 118221

PSB Singapore



Ref. Certif. No.

CB Certificate Ref. No. SG-TN-01578A1**Additional factory information**

Name and address of the factory
Nom et adresse de l'usine

TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONIC CO.,
LTD.
11 WEILIU RD, MICRO-ELECTRONIC INDUSTRIAL
PARK, TEDA, TIANJIN, 300385, People's Republic of
China

Model description

Model name	Differences information	
	Number of Channel (CH)	Encoding system
SRD-1652DN (Basic model)	16 CH (Decorder IC : 4 ea)	NTSC (National Television System Committee)
SRD-1652DP	16 CH (Decorder IC : 4 ea)	PAL (Phase Alternation by Line)
SRD-852DN	8 CH (Decorder IC : 2 ea)	NTSC (National Television System Committee)
SRD-852DP	8 CH (Decorder IC : 2 ea)	PAL (Phase Alternation by Line)
SRD-1652D	16 CH (Decorder IC : 4 ea)	NTSC (National Television System Committee)
SRD-852D	8 CH (Decorder IC : 2 ea)	NTSC (National Television System Committee)

Date: 2011-03-16

Signature: (Ian Hwang)



PSB Singapore



PSB Singapore

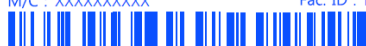
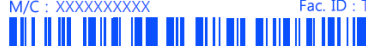
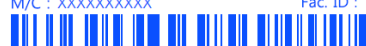
Test Report issued under the responsibility of:

NCB TÜV SÜD PSB Pte Ltd
1 Science Park Drive, Singapore 118221

TEST REPORT IEC/EN 60065 Audio, Video and Similar Electronic Apparatus: Safety Requirements	
Report Reference No.....:	077-206481-001
Tested by (name + signature)	Charlie Kim 
Witnessed by (name + signature).....:	N/A
Supervised by (name + signature):	N/A
Approved by (name + signature)	Kevin Park 
Date of issue.....:	2011-03-15
CB Testing Laboratory	TÜV SÜD Korea Laboratory (TKL)
Address.....:	#315 and 316, MARIO Tower, 222-12, Guro-dong, Guro-Gu, Seoul, Korea
Testing location/ procedure	CBTL ☒ RMT ☐ SMT ☐ WMT ☐ TMP ☐
Testing location/ address.....:	Same as above
Applicant's name	SAMSUNG TECHWIN CO., LTD.
Address.....:	42, Sungju-dong, Changwon-si, Gyeongsangnam-do, 641-716, Republic of Korea
Test specification:	
Standard	IEC 60065:2001 + Amd 1:2005 / EN 60065:2002+A1:2006+A11:2008
Test procedure	CB
Non-standard test method.....:	N/A
Test Report Form No.....:	IECEN 60065G
Test Report Form(s) Originator	ASTABEAB
Master TRF	2006-03
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Test item description.....	Digital Video Recorder
Trade Mark	
Manufacturer.....	TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONIC CO., LTD. 11 WEILIU RD, MICRO-ELECTRONIC INDUSTRIAL PARK, TEDA, TIANJIN, 300385, People's Republic of China
Model/Type reference.....	SRD-1652DN, SRD-1652DP, SRD-852DN, SRD-852DP, SRD-1652D, SRD-852D
Ratings.....	100-240 V~, 50/60 Hz, 4 - 1.5 A; Class I

Copy of marking plate

 DIGITAL VIDEO RECORDER MODEL : SRD-1652DN AC 100-240V~ 50/60Hz 4-1.5A M/C : XXXXXXXXXX Fac. ID : T  Jan 2010 S/N:XXXX XXXXXXXXXX ETHERNET ADD. : XX-XX-XX-XX-XX-XX SAMSUNG TECHWIN CO., LTD. MADE BY SAMSUNG IN CHINA	CLASS 1 LASER PRODUCT  I.T.E. US LISTED 9T96 E158873    CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN   Z6804 1328 09A
 DIGITAL VIDEO RECORDER MODEL : SRD-1652DP AC 100-240V~ 50/60Hz 4-1.5A M/C : XXXXXXXXXX Fac. ID : T  Jan 2010 S/N:XXXX XXXXXXXXXX ETHERNET ADD. : XX-XX-XX-XX-XX-XX SAMSUNG TECHWIN CO., LTD. MADE BY SAMSUNG IN CHINA	CLASS 1 LASER PRODUCT  I.T.E. US LISTED 9T96 E158873    CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN   Z6804 1328 09A
 DIGITAL VIDEO RECORDER MODEL : SRD-852DN AC 100-240V~ 50/60Hz 4-1.5A M/C : XXXXXXXXXX Fac. ID : T  Jan 2010 S/N:XXXX XXXXXXXXXX ETHERNET ADD. : XX-XX-XX-XX-XX-XX SAMSUNG TECHWIN CO., LTD. MADE BY SAMSUNG IN CHINA	CLASS 1 LASER PRODUCT  I.T.E. US LISTED 9T96 E158873    CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN   Z6804 1328 09A
 DIGITAL VIDEO RECORDER MODEL : SRD-852DP AC 100-240V~ 50/60Hz 4-1.5A M/C : XXXXXXXXXX Fac. ID : T  Jan 2010 S/N:XXXX XXXXXXXXXX ETHERNET ADD. : XX-XX-XX-XX-XX-XX SAMSUNG TECHWIN CO., LTD. MADE BY SAMSUNG IN CHINA	CLASS 1 LASER PRODUCT  I.T.E. US LISTED 9T96 E158873    CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN   Z6804 1328 09A
 A/S 연락처 : 1588-5772 제품명칭: 디스크 플레이어(DVR) 모델명: SRD-1652D 정격전압: AC 100-240V~ 50/60Hz 4-1.5A 제조업체명: TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONIC CO., LTD. 제조국명: 중국 판 매 자: 삼성테크윈(주)   KCC-REM-STW-SRD1652D xxxxxxxx-xxxxxx	등급 1 레이저 제품 M/C : XXXXXXXXXX  제조년월 : 2010.01 S/N:XXXX XXXXXXXXXX ETHERNET ADD. : XX-XX-XX-XX-XX-XX 주의 전기적 충격의 위험이 있으니 열지 마십시오.   Z6804 1328 01A



"The above labels are drafts of an artwork for marking plate pending approval by National Certification Bodies and they shall not be affixed to products prior to such an approval"

Summary of testing:

- The appliance fulfills the requirements of the standard IEC 60065:2001+A1:2005 / EN 60065:2002+A1:2006+A11:2008 and National Differences for China (CN), Republic of Korea (KR), as listed in the CB Bulletin No. 112A (December 2006).

Test item particulars:

Classification of installation and use : Class I equipment

Supply connection : AC Mains Operated

Possible test case verdicts:

- test case does not apply to the test object..... : N/A

- test object does meet the requirement : Pass (P)

- test object does not meet the requirement : Fail (F)

Testing:

Date of receipt of test items : N/A

Date(s) of performance of tests : N/A

General remarks:

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report, a point is used as the decimal separator.

List of test equipment must be kept on file and available for review.

Remark 1 – This report is to amend the earlier CB Ref. Certif. No. SG-TN-01578.
(Test Report Ref. No. 077-206481-000, dated 2011-03-14)

Remark 2 – Amendment

-. Addition of model name (SRD-1652D and SRD-852D)

Remark 3 – Factories

1. SAMSUNG TECHWIN CO., LTD.

42, Sungju-dong, Changwon-si, Gyeongsangnam-do, 641-716, Republic of Korea

2. TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONIC CO., LTD.

11 WEILIU RD, MICRO-ELECTRONIC INDUSTRIAL PARK, TEDA, TIANJIN, 300385,
People's Republic of China

Remark 4 - The following contents that are included in this test report are:

-. Test Report: 6 pages

General product information:

- Maximum Normal load: HDD recording and DVD backup mode
- Mass of equipment: Max. 7.1 kg
- The samples submitted for evaluation are representative of the final product and have the same quality in terms of safety aspect from each factory.
- For type test, basic model SRD-1652DN was tested.

Model Differences

Model name	Differences information	
	Number of Channel (CH)	Encoding system
SRD-1652DN (Basic model)	16 CH (Decorder IC : 4 ea)	NTSC (National Television System Committee)
SRD-1652DP	16 CH (Decorder IC : 4 ea)	PAL (Phase Alternation by Line)
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SRD-852DP	8 CH (Decorder IC : 2 ea)	PAL (Phase Alternation by Line)
SRD-1652D	16 CH (Decorder IC : 4 ea)	NTSC (National Television System Committee)
SRD-852D	8 CH (Decorder IC : 2 ea)	NTSC (National Television System Committee)

IEC/EN 60065			
Clause	Requirement – Test	Result - Remark	Verdict
5	MARKING		P
	Comprehensible and easily discernible	On the side of the enclosure, The marking is easily Comprehensible and easily discernible when ready for use	P
	Permanent durability against water and petroleum spirit	The marking is not removed when rubbed lightly with a piece of cloth soaked with petroleum spirit or water	P
5.1	Identification, maker, model	 SRD-1652DN, SRD-1652DP, SRD-852DN, SRD-852DP, SRD-1652D, SRD-852D	P
	Class II symbol if applicable	No Class I equipment	N/A
	Rated supply voltage and symbol	100-240 V~	P
	Frequency if safety dependant	50/60 Hz	P
	Rated current or power consumption	4 – 1.5 A	P