IEC IECEE CB SCHEME

Ref. Certif. No.

JPTUV-053994

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	DLP Projector
Name and address of the applicant Nom et adresse du demandeur	Coretronic Corp. No. 11, Li Hsing Rd. Science-Based Industrial Park, Hsinchu 300 Taiwan
Name and address of the manufacturer Nom et adresse du fabricant	NEC Display Solutions, Ltd. 686-1 Nishioi, Oi-machi Ashigarakami-gun, Kanagawa, 258-8533 JAPAN
Name and address of the factory Nom et adresse de l'usine	See additional page(s)
Ratings and principal characteristics Valeurs nominales et caractéristiques principales	AC 100-240V; 50/60Hz; 1.3-0.5A or AC 100V; 50/60Hz; 1.3A; Risk group 1; Class I
Trademark (if any) Marque de fabrique (si elle existe)	NEC
Type of Manufacturer's Testing Laboratories used Type de programme du laboratoire d'essais constructeur	N/A
Model / Type Ref. Ref. de type	NP-L102W, NP-L102WG, NP-L102WJD, NP-L102W+
Additional information (if necessary may also be reported on page 2) Les informations complémentaires (si nécessaire, peuvent être indiqués sur la 2ème page)	For model differences, refer to the test report.
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 60950-1:2005+A1 National differences see test report
As shown in the Test Report Ref. No. which forms part of this Certificate Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat	11034995 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

TÜVRheinland®

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Date: 15.11.2013

Signature: Dipl.-Ing. F. Stoelzel

10/061 CB 05.12

1. Vimax (Kunshan) Co., Ltd.
No. 388, San Jia Rd, Zhangpu Town,
Kunshan City, Jiangsu
P.R. China

2. Coretronic Projection
(Kunshan) Corporation
No. 20, 3rd Ave,
Kunshan Free Trade Zone
Jiangsu 215300, P.R. China

Report Ref. No.: 11034995 001

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

Date: 15.11.2013

Signature: Dipl.-Ing. R. Stoelzel

Test Report issued under the responsibility of:

TÜVRheinland®

TEST REPORT

IEC 60950-1
Information technology equipment – Safety – Part 1: General requirements

Report Number	11034995 001
Date of issue	Nov. 14, 2013
Total number of pages	53
CB Testing Laboratory	TÜV Rheinland Taiwan Ltd., Taichung Laboratory
Address	No. 9, Ln. 36, Sec. 3, Minsheng Rd., Daya District, Taichung City 428, Taiwan
Applicant's name	Coretronic Corp.
Address	No. 11, Li Hsing Rd., Science-Based Industrial Park, Hsinchu 300 Taiwan
Manufacturer's name	NEC Display Solutions, Ltd.
Address	686-1 Nishioi, Oi-machi, Ashigarakami-gun, Kanagawa, 258-8533 JAPAN
Test specification:	
Standard	IEC 60950-1:2005 (Second Edition) + Am 1:2009
Test procedure	CB Scheme
Non-standard test method	N/A
Test Report Form No.	IEC60950_1C
Test Report Form(s) Originator	SGS Fimko Ltd
Master TRF	Dated 2012-08

If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.

This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

Test item description	DLP Projector
Trade Mark	NEC
Manufacturer	See above
Model/Type reference	NP-L102W, NP-L102WG, NP-L102WJD, NP-L102W+
Ratings	100-240Vac, 50/60Hz, 1.3-0.5A or 100Vac, 50/60Hz, 1.3A
	Risk group 1

Testing procedure and testing location:		
☒	**CB Testing Laboratory**:	See cover page
Testing location/ address..... :		See cover page
☐	**Associated CB Laboratory:**	
Testing location/ address..... :		
Tested by (name + signature).....:	Carol Huang	
Approved by (name + signature) .....:		
☐	Testing procedure: **TMP**	
Testing location/ address..... :		
Tested by (name + signature).....:		
Approved by (name + signature) .....:		
☐	Testing procedure: **WMT**	
Testing location/ address..... :		
Tested by (name + signature).....:		
Witnessed by (name + signature).....:		
Approved by (name + signature) .....:		
☐	Testing procedure: **SMT**	
Testing location/ address..... :		
Tested by (name + signature).....:		
Approved by (name + signature) .....:		
Supervised by (name + signature).....:		
☐	Testing procedure: **RMT**	
Testing location/ address..... :		
Tested by (name + signature).....:		
Approved by (name + signature) .....:		
Supervised by (name + signature).....:		

List of Attachments (including a total number of pages in each attachment):

- Photo documentation
- National Differences
- Measurement Section (including in this test report)

Total number of pages in each attachment is indicated in individual attachment.

Summary of testing:

Tests performed (name of test and test clause):	**Testing location:**
All applicable tests were performed. Details see appended clauses and tables. - The unit was evaluated at 40°C ambient temperature. - Unit connected to signal source automatic screen and operating with maximum brightness, contract, volume and each USB port 0.5A loaded - The unit provide with ceiling mounted function, loading test performed. - As mention in user's manual, this equipment operating up to altitudes 3048m was considered, the required clearance multiplied by altitude correction factor 1.15 according to the Table A.2 of IEC 60664-1:1992 +A1:2000 +A2:2002 standard, see table 2.10.3 and 2.10.4. - Tests were performed on equipment with SYS Fan: SUNONWEALTH, type MF35151V1 (7.4 CFM) and Engine Fan: Sunonwealth, type MF30101V1-QZ (5.1 CFM) - Tests were performed on model NP-L102W as representative. - Test samples are pre-production samples without serial numbers.	All tests as described in Test Case and Measurement Sections were performed at the laboratory described on cover page.

Summary of compliance with National Differences

List of countries addressed:

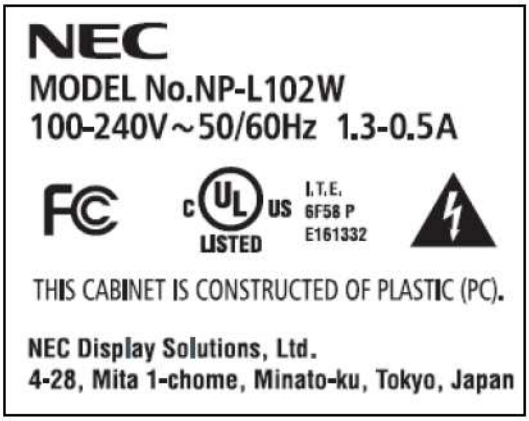
EU Group Differences, EU Special National Conditions, CA, DE, FI, IL, KR, US.

Explanation of used codes: CA = Canada, DE = Germany, FI = Finland, IL = Israel, KR = Republic of Korea, US = United States of America.

☒ The product fulfils the requirements of EN 60950-1:2006+A11:2009+A1:2010+A12:2011

Copy of marking plate

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.



Test item particulars:	
Equipment mobility:	[X] movable [] hand-held [] transportable [X] stationary [] for building-in [] direct plug-in
Connection to the mains:	[X] pluggable equipment [X] type A [] type B [] permanent connection [X] detachable power supply cord [] non-detachable power supply cord [] not directly connected to the mains
Operating condition:	[X] continuous [] rated operating / resting time:
Access location:	[X] operator accessible [] restricted access location
Over voltage category (OVC):	[] OVC I [X] OVC II [] OVC III [] OVC IV [] other:
Mains supply tolerance (%) or absolute mains supply values:	±10
Tested for IT power systems:	[] Yes [X] No
IT testing, phase-phase voltage (V):	N/A
Class of equipment:	[X] Class I [] Class II [] Class III [] Not classified
Considered current rating of protective device as part of the building installation (A):	16 or 20 (for North America)
Pollution degree (PD):	[] PD 1 [X] PD 2 [] PD 3
IP protection class:	IPX0
Altitude during operation (m):	Up to 3048
Altitude of test laboratory (m):	Less than 2000
Mass of equipment (kg):	1.4 maximum
Possible test case verdicts:	
- test case does not apply to the test object:	N/A
- test object does meet the requirement:	P (Pass)
- test object does not meet the requirement:	F (Fail)
Testing:	
Date of receipt of test item:	Mar., 2013
Date(s) of performance of tests:	Mar. to Apr., 2013

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 ☐ comma / ☒ point is used as the decimal separator.