

Top Victory Electronics (Taiwan)
Co., Ltd.
Mr. Kevin Hung

Date : 24.05.2019
Our ref. : PWC ZTW1
Your ref.: TP-N-18451069

10F., No. 230, Liancheng Rd.
Zhonghe Dist., New Taipei City
23553
Taiwan

Ref : X4 ISO 9241-307 mark

Type of Equipment : LCD Monitor
Model Designation : See Certificate
Certificate No. : X4 50437428 0001
Report No. : 50254957 001

Dear Mr. Kevin Hung,

The above specified technical equipment has been tested and found to be in accordance with the relevant requirements.

Enclosed you will find the certificate of approval.

If cancellation of the certificate is submitted by November 15 in a given year, no fee will be charged for the following year.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

Please contact our office for approval of your new products.

With kind regards,

Certification Body



Dipl.-Ing. (FH) A. Klinker

Enclosure

TÜV RHEINLAND TAIWAN LTD.

11F., No. 758, Sec. 4, Bade Rd.,
Songshan Dist., Taipei City 105,
Taiwan R. O. C.
Tel. (02) 2172-7000
Fax (02) 2172-1322
<http://www.tuv.com>

TAICHUNG BRANCH:
No. 9, Lane 36, Sec. 3, Minsheng Rd.,
Daya Dist., Taichung City 428,
Taiwan, R. O. C.
Tel. (04) 2521-8888
Fax (04) 2521-8899

KAOHSIUNG BRANCH:
27F-3, No.80, Minzu 1st Rd.,
Sanmin Dist., Kaohsiung City 807,
Taiwan, R. O. C.
Tel. (07) 262-6000
Fax (07) 380-0577

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
X4 50437428

Blatt *Sheet*
0001

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>
TP-N-18451069	ZTW1-PWC-50254957 001	24.05.2019 (day/mo/yr)

Genehmigungsinhaber *License Holder*
Top Victory Electronics (Taiwan)
Co., Ltd.
10F., No. 230, Liancheng Rd.
Zhonghe Dist., New Taipei City
23553
Taiwan

Fertigungsstätte *Manufacturing Plant*
Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
ISO 9241-307:2008



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Bildschirm (LCD Monitor)

Bezeichnung : siehe zugehörige Zertifikate oder
(Type Designation) Folgeblätter (refer to accompanying
certificates or additional sheets)

LCD-Display : VVX31P149H00 (Panasonic) (78.9cm)
(LCD-Panel)

Inhalt und Wahrnehmung : Virtualitätsdarstellung
(Content and Perception) (Artificial Information)

Farbgleichmäßigkeit (Chromaticity Uniformity) : hoch (high)

Pixelfehlerklasse (Pixel Fault Class) : 0

Vorgesehener Sehabstand (Design Viewing Distance) : 500mm

Vorgesehene Sehrichtung (Design Azimuth/Inclination): 90°/0°

Sehrichtungsbereich (Viewing Direction Range) : 76.6°

max. Bildschirmbeleuchtungsstärke : 1500lx
(max. Screen Illuminance)

Bestandteile der Beleuchtung (Components of the illumination)

Quelle mit großer, kleiner Öffnung : 200cd/m² & 2000cd/m²
(large, small aperture source)

5

Hinweis (Remark) : Geprüft mit (Tested with)
VESA 60Hz - 4096 X 2160, Arial Large Font 36pt., 24bpp.

5

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product
fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle



Dipl.-Ing. (FH) A. Klinker

Anlage Fertigungsstättenliste
/Attachment List of Factories



X4 50437428 0001

- | | |
|--|---|
| 1 TPV Display Technology (Wuhan)
Co., Ltd.
Unique No. 11, Zhuankou Development
District of Economic Technological
Development Zone
Wuhan City 430056
P. R. China | 2 L&T Display Technology (Fujian) Ltd.
Optoelectronic Park, Rongqiao
Economic and Technological
Development Zone
Fuqing, Fujian 350301
P. R. China |
| 3 TPV Electronics (Fujian) Co., Ltd.
Rongqiao Economic and
Technological Development Zone
Fuqing City, Fujian Province
P. R. China | 4 Trend Smart CE Mexico S de RL de CV
Avenida Sor Juana Ines de la Cruz
de 19602 Nueva Tijuana,
22435 Tijuana Baja California
MEXICO |
| 5 TPV Display Technology (China)
Co., Ltd.
No. 106 Jinghai 3 Rd., BDA
Beijing City 100176
P. R. China | |

Dieser Anhang ersetzt den Vorgänger vom/
This annex replaces the previous annex dated

Datum / Date 24.05.2019



Zertifizierungsstelle
/ Certification Body

A blue ink signature of Dipl.-Ing. (FH) A. Klinker.

Dipl.-Ing. (FH) A. Klinker

Top Victory Electronics (Taiwan)
Co., Ltd.
Mr. Kevin Hung

Date : 24.05.2019
Our ref. : PWC ZTW1
Your ref.: TP-N-18451069

10F., No. 230, Liancheng Rd.
Zhonghe Dist., New Taipei City
23553
Taiwan

Ref : X4 ISO 9241-307 mark

Type of Equipment : LCD Monitor
Model Designation : See Certificate
Certificate No. : X4 50437431 0001
Report No. : 50254957 001

Dear Mr. Kevin Hung,

Enclosed please find above certification documents.
Please forward these originals to the certificate holder.

If you contact our office, please quote our reference above.

We thank you for your cooperation.

the certificate holder is: NEC Display Solutions, Ltd.

With kind regards,

Certification Body



Dipl.-Ing. (FH) A. Klinker

Enclosure

TÜV RHEINLAND TAIWAN LTD.

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Sanmin Dist., Kaohsiung City 807,
Taiwan, R. O. C.
Tel. (07) 262-6000
Fax (07) 380-0577

NEC Display Solutions, Ltd.
Mr. Naohiko Shimazu Senior Manager
Quality Assurance Department
4-28, Mita 1-chome, Minato-ku
Tokyo
108-0073 Japan

Date : 24.05.2019
Our ref. : PWC ZTW1
Your ref.: TP-N-18451069

Ref : X4 ISO 9241-307 mark

Type of Equipment : LCD Monitor
Model Designation : See Certificate
Certificate No. : X4 50437431 0001
Report No. : 50254957 001

Dear Mr. Naohiko Shimazu,

The above specified technical equipment has been tested and found to be in accordance with the relevant requirements.

Enclosed you will find the certificate of approval.

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Please contact our office for approval of your new products.

With kind regards,

Certification Body



Dipl.-Ing. (FH) A. Klinker

cc: Top Victory Electronics (Taiwan)

Enclosure

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Taiwan, R. O. C.
Tel. (07) 262-6000
Fax (07) 380-0577

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
X4 50437431

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
TP-N-18451069

Unser Zeichen *Our Reference*
ZTW1-PWC-50254957 001

Ausstellungsdatum *Date of Issue*
24.05.2019
(day/mo/yr)

Genehmigungsinhaber *License Holder*
NEC Display Solutions, Ltd.
4-28, Mita 1-chome, Minato-ku
Tokyo
108-0073 Japan

Fertigungsstätte *Manufacturing Plant*
030-0000370942

Prüfzeichen *Test Mark*



Bildqualität
ISO 9241-307

www.tuv.com
ID 1419069523

Geprüft nach *Tested acc. to*
ISO 9241-307:2008

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Bildschirm (LCD Monitor)

Bezeichnung : PA311D-BK (NEC)
(Type Designation)

1

LCD-Display : VVX31P149H00 (Panasonic) (78.9cm)
(LCD-Panel)

Inhalt und Wahrnehmung : Virtualitätsdarstellung
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TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

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Zertifizierungsstelle



Dipl.-Ing. (FH) A. Klinker