



America

# CERTIFICATE

No. U8 12 01 40676 064

**Holder of Certificate:** SAMSUNG TECHWIN CO., LTD.

42, Sungju-dong, Changwon-si,  
Gyeongsangnam-do 641-716  
REPUBLIC OF KOREA

**Certification Mark:**



**Product:**

**Camera  
(Digital Color Camera)**

The product was voluntarily tested according to the relevant safety requirements and mentioned properties. It can be marked with the certification mark shown above. The certification mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles that described by ISO/IEC Guide 67, Conformity assessment - Fundamentals of product certification, System 3. See also notes overleaf.

**Test report no.:**

077-203582-000

**Date,** 2012-02-06

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America

**CERTIFICATE****No. U8 12 01 40676 064**

**Model(s):** SCP-2370RH, SCP-2370RHN, SCP-2370RHP  
("SAMSUNG")

**Parameters:** Model SCP-2370RH, SCP-2370RHN:  
- Rated input: AC 24 V ~, 60 Hz  
- Rated power: 90 W

Model SCP-2370RHP:  
- Rated input: AC 24 V ~, 50 Hz  
- Rated power: 90 W

Remark: The product must be connected to a power source  
shall fulfill the requirements of  
UL 60065 and CAN/CSA C22.2 No. 60065  
with the following technical data:  
- Max. short circuit current: 8 A  
- Max. power: 100 W

**Tested  
according to:** UL 60065/R:2007  
CAN/CSA C22.2 No. 60065/R:2007

**Production  
Facility(ies):** 40676, 70297

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# Aufbauübersicht für Elektrogeräte und Maschinen

## Data form for electrical equipment and machinery

(for NRTL, see working instruction TCSNRTL-CDF001)



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|                                                                                                        |                                                                                                                                                                                                                                                                                                     |                                                                                           |                                                                                                                         |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Auftraggeber / Applicant:</b>                                                                       | <b>SAMSUNG TECHWIN CO., LTD. (40676)</b><br>42, Sungju-dong, Changwon-si, Gyeongsangnam-do 641-716, Republic of Korea                                                                                                                                                                               |                                                                                           |                                                                                                                         |
| <b>Fertigungsstätte / Production facility:</b>                                                         | 1. <b>SAMSUNG TECHWIN CO., LTD. (40676)</b><br>42, Sungju-dong, Changwon-si, Gyeongsangnam-do 641-716, Republic of Korea<br>2. <b>TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONIC CO., LTD. (70297)</b><br>11 WEILIU RD, MICRO-ELECTRONIC INDUSTRIAL PARK, TEDA, TIANJIN 300385, People's Republic of China |                                                                                           |                                                                                                                         |
| <b>Geräteart / Type of equipment:</b>                                                                  | <b>Digital Color Camera</b>                                                                                                                                                                                                                                                                         |                                                                                           |                                                                                                                         |
| <b>Typenbezeichnung / Type/model:</b>                                                                  | <b>SCP-2370RH, SCP-2370RHN, SCP-2370RHP</b>                                                                                                                                                                                                                                                         |                                                                                           |                                                                                                                         |
| <b>Warenzeichen / Trade mark</b>                                                                       | <b>SAMSUNG</b>                                                                                                                                                                                                                                                                                      |                                                                                           |                                                                                                                         |
| <b>Seriennr. / Serial no.:</b>                                                                         | <b>N/A</b>                                                                                                                                                                                                                                                                                          |                                                                                           |                                                                                                                         |
| <b>Nennspannung/Nennaufnahme/Nennstrom/Frequenz/Rated voltage/frequency/Rated input power/current:</b> | <b>Model SCP-2370RH, SCP-2370RHN:</b><br>- Rated input: AC 24 V ~, 60 Hz<br>- Rated power: 90 W<br><b>Model SCP-2370RHP:</b><br>- Rated input: AC 24 V ~, 50 Hz<br>- Rated power: 90 W                                                                                                              |                                                                                           |                                                                                                                         |
| <b>Anschlußdaten-Hydraulik: / Connection to hydraulic power:</b>                                       | <b>N/A</b>                                                                                                                                                                                                                                                                                          |                                                                                           |                                                                                                                         |
| <b>Anschlußdaten-Pneumatik / Connection to pneumatic power:</b>                                        | <b>N/A</b>                                                                                                                                                                                                                                                                                          |                                                                                           |                                                                                                                         |
| <b>Anschlußdaten-Wasser / Connection to water installation:</b>                                        | <b>N/A</b>                                                                                                                                                                                                                                                                                          |                                                                                           |                                                                                                                         |
| <b>Gewicht / weight:</b>                                                                               | <b>6.82 kg</b>                                                                                                                                                                                                                                                                                      |                                                                                           |                                                                                                                         |
| <b>Lärmemission / noise emission (dB A):</b>                                                           |                                                                                                                                                                                                                                                                                                     |                                                                                           |                                                                                                                         |
| <b>Ausführung / Construction:</b>                                                                      | Ortsfest<br>Ortsveränderlich<br>Handgerät<br>Einbaugerät                                                                                                                                                                                                                                            | Stationary<br>Portable<br>Hand-held<br>Open-frame                                         | <input checked="" type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/> |
| <b>Schutzklasse / Protection class:</b>                                                                | Schutzklasse I:<br>Schutzklasse II:<br>Schutzklasse III:                                                                                                                                                                                                                                            | Schutzleiteranschluß<br>Schutzisoliert<br>Schutzkleinspannung/<br>interne Stromversorgung | PE-connection<br>Double insulation<br>SELV/internally<br>powered                                                        |
| <b>Schutzart / Degree of protection against liquids:</b>                                               | IPX0                                                                                                                                                                                                                                                                                                |                                                                                           | <input checked="" type="checkbox"/>                                                                                     |
| <b>Anschlußart / Supply connection:</b>                                                                | Feste Anschlußleitung<br>Fester Anschluß<br>Gerätesteckvorrichtung                                                                                                                                                                                                                                  | Non detachable cord<br>Permanent connection<br>Appliance inlet                            | <input checked="" type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/>                             |
| <b>Netzbetriebsart / Rated operation:</b>                                                              | Dauerbetrieb<br>Aussetzbetrieb<br>Kurzzeitbetrieb                                                                                                                                                                                                                                                   | Continuous operation<br>Intermittent operation<br>Short time operation                    | <input checked="" type="checkbox"/><br><input type="checkbox"/><br><input type="checkbox"/>                             |

|                                                                                                                       |                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prüfbericht Nr. / Test Report No.:</b> 077-203582-000<br><br><b>Projektleiter / Project manager:</b><br>Kevin Park | <b>Ort / place:</b> SAMSUNG TECHWIN CO., LTD. (40676)<br>42, Sungju-dong, Changwon-si, Gyeongsangnam-do,<br>641-716, Republic of Korea<br><b>Datum / date:</b> 2012-01-31<br><b>Stempel und Unterschrift / Seal and signature</b><br>Jeisoon Kang |
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(for NRTL, see working instruction TCSNRTL-CDF001)



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**Material:** a) Gehäuse / Enclosure  
b) Leiterplatten / p.c.b

See appended table(Safety relevant components)  
See appended table(Safety relevant components)

### Zusätzliche Angaben für Laser, Klassifizierung nach EN 60825 (bzw. UL für NRTL)

Additional information for Laser equipment, classification according to EN 60825 (UL for NRTL)

**Klasse / Class:** N/A  
**Wellenlänge / Wavelength:** N/A  
**Pulsdauer / Pulse duration:** N/A

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**Sicherheitsrelevante Bauteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, Kondensatoren, Motoren und sonstige Wicklungen z.B. Transformatoren, Magnetspulen) (Not-Aus Geräte, 2-Handsteuerungen, Verriegelungsschalter, Sicherheits-Lichtschränken, Sicherheitsventile, Programmierbare Steuerungen-SPS, hydraulische Steuerungen, pneumatische Steuerungen .....**

Safety relevant components: (switch, temperature regulator, heating element, plug, socket, wiring, capacitor, motors and other components with windings e.g. transformers, coils)  
(emergency off devices, 2-hand-control-devices, interlock switches, safety light barriers, safety valves, programmable electronic controllers -PLC, hydraulic controllers, pneumatic controllers .....

| Bauteil /<br>Kind of<br>component                              | Hersteller /<br>Manufacturer      | Angaben über Typ, Stromstärke,<br>Leistung,<br>Transformatorspezifikationsnummer,<br>Isolationsklasse /<br>Information about type, current,<br>power, transformer specification<br>number,<br>insulating class |                                                   | Prüfzeichen von<br>Test mark from<br>(VDE, BSI, UL etc.) |                     |
|----------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------|---------------------|
| Fuse<br>(F1, F101, F201)                                       | Save Fusetech Inc                 | SS-5                                                                                                                                                                                                           | 250 V, 4 A                                        | ANSI/UL 248-1<br>CSA-C22.2 No.<br>248-1-00               | UL (E306920)        |
| Alt.                                                           | Orisel Co., Ltd.                  | OS5                                                                                                                                                                                                            | 250 V, 4 A                                        | ANSI/UL 248-1<br>CSA-C22.2 No.<br>248-1-00               | UL (E126056)        |
| Alt.                                                           | Littelfuse<br>Wickmann Werke      | 369                                                                                                                                                                                                            | 300 V, 4 A                                        | ANSI/UL 248-1<br>CSA-C22.2 No.<br>248-1-00               | UL (E67006)         |
| Line filter (LF101,<br>LF201)                                  | TNC Co., Ltd.                     | CH940050                                                                                                                                                                                                       | Class A<br>Bobbin: V-0                            | UL/CSA 60065                                             | Tested in equipment |
| Trans former<br>(T101, T201)                                   | Dong Heung / DH                   | SCP-2370RH                                                                                                                                                                                                     | Class A<br>Bobbin: V-0                            | UL/CSA 60065                                             | Tested in equipment |
| Alt.                                                           | SHANDONG<br>BOAM ELECTRIC<br>/ BA | SCP-2370RH                                                                                                                                                                                                     | Class A<br>Bobbin: V-0                            | UL/CSA 60065                                             | Tested in equipment |
| Lithium battery<br>(BT801)                                     | Hitachi Maxell<br>Energy Ltd      | CR2032                                                                                                                                                                                                         | Max. charging<br>current: 10 mA<br>Secondary Type | UL 1642                                                  | UL (MH12568)        |
| Lithium battery<br>reverse charging<br>protection IC<br>(U802) | MAXIM<br>INTEGRATED<br>PRODUCTS   | DS3232N                                                                                                                                                                                                        | Supply Voltage<br>(VCC): 3.3 V                    | UL 60950-1                                               | UL (E141114)        |
| DC Fan                                                         | Minebea Motor<br>Mfg Corp         | 1604KL-04W-B50                                                                                                                                                                                                 | 12 V d.c., 0.1 A                                  | ANSI/UL 507                                              | UL (E89936)         |
| Pan Motor,<br>Tilt Motor                                       | ElectroCraft                      | TPY17-29-003Z                                                                                                                                                                                                  | 3.8 V d.c., 1.0 A                                 | UL/CSA 60065                                             | Tested in equipment |
| Heater 1                                                       | JEIL Electronics                  | RH30190                                                                                                                                                                                                        | 24 V, 30 W                                        | UL/CSA 60065                                             | Tested in equipment |
| Heater 2                                                       | JEIL Electronics                  | RH1015                                                                                                                                                                                                         | 12 V, 10 W                                        | UL/CSA 60065                                             | Tested in equipment |

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| Bauteil /<br>Kind of<br>component                                                           | Hersteller /<br>Manufacturer          | Angaben über Typ, Stromstärke,<br>Leistung,<br>Transformatorspezifikationsnummer,<br>Isolationsklasse /<br>Information about type, current,<br>power, transformer specification<br>number,<br>insulating class |                                           | Prüfzeichen von<br>Test mark from<br>(VDE, BSI, UL etc.) |                     |
|---------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------|---------------------|
| Thermostat                                                                                  | Woo Sung Bi-Con<br>Co., Ltd.          | MS-1                                                                                                                                                                                                           | 125 V/250 V,<br>15 A/7.5 A                | UL 353<br>CSA C22.2 No 24                                | CSA                 |
| Shield-housing,<br>Cover-housing,<br>Cover-dome in,<br>Cover-lens front,<br>Cover-lens rear | Cheil Industries<br>Inc Chemicals Div | NH-1023(+)                                                                                                                                                                                                     | V-0, 80 °C                                | UL 94                                                    | UL (E115797)        |
| Tilt-side cover                                                                             | Cheil Industries<br>Inc Chemicals Div | LS-3302(+)                                                                                                                                                                                                     | V-2, 80 °C                                | UL 94                                                    | UL (E115797)        |
| Housing-body                                                                                | Various                               | Metal                                                                                                                                                                                                          | Aluminum,<br>min.2.8 mm thick             | UL/CSA 60065                                             | Tested in equipment |
| PCB                                                                                         | Various                               | Various                                                                                                                                                                                                        | V-0, 105 °C                               | UL 796                                                   | UL                  |
| Lead and cables                                                                             | Various                               | Various                                                                                                                                                                                                        | Min. 30 V, 80 °C,<br>VW-1, Min. 28<br>AWG | ANSI/UL 758                                              | UL                  |

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