

## TEST REPORT

### 1. Applicant

Name : Samsung Techwin Co., Ltd.  
Address : 28. Seongju-dong,  
Changwon-si, Gyeongsangnam-do, Korea

### 2. Products

Name : MINI VANDAL DOME CAMERA  
Model/Type : SCV-2081R  
Manufacturer : Samsung Techwin Co., Ltd.  
Remark : -

3. Test Standard/Method : IEC 60529:2001, KS C IEC 60529:2002

4. Test Results : IP66 (Refer to document)

5. Use of Report : For Quality Control

6. Date of Application : 2010. 12. 24

7. Date of Issue : 2011. 01. 07

Tested by



Machinery Convergence Technology Center  
Chang-ho Kim

Approved by



Machinery Convergence Technology Center  
Leader Jun-gu Kang

*The above test report is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.*

## Korea Testing Laboratory

222-13, Guro3-Dong Guro-Gu Seoul, 152-718, Korea.  
<http://www.ktl.re.kr>

Tel. : +82-2-860-1531  
Fax. : +82-2-860-1549

## TEST RESULTS

for Degree of protection provided by enclosures(IP Code)

### 1. Test Results

| Code letters                                                                                      | IP       | Test method and Record                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Results     |
|---------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>1st</b><br><b>Characteristic numerals</b><br><br>Against ingress of solid foreign objects      | <b>6</b> | 1. CONDITIONS<br>1.1 Talcum powder(mesh) :<br><b>Wire diameter=50 <math>\mu</math>m, width between wires=75 <math>\mu</math>m</b><br>1.2 Amount of talcum powder of the test chamber :<br><b>2kg/m<sup>3</sup></b><br>2. TEST<br>2.1 Volume of the enclosures: <b>about 550 cm<sup>3</sup></b><br>2.2 Reduction air pressure : <b>-2.0 kPa (-200 mmH<sub>2</sub>O)</b><br>2.3 Flow rate : <b>0.0 LPM</b><br>2.4 Extraction rate per hour : <b>0 volumes/h</b><br>2.5 Test duration : <b>8 hours</b> | <b>Pass</b> |
| <b>2nd</b><br><b>Characteristic numerals</b><br><br>Against ingress of water with harmful effects | <b>6</b> | 1. CONDITIONS<br>1.1 Internal diameter of the nozzle : <b>12.5 mm</b><br>1.2 Delivery rate : <b>100 LPM<math>\pm</math>5%</b><br>1.3 Core of the substantial stream :<br><b>Circle of 120 mm diameter at 2.5 m distance from the nozzle</b><br>1.4 Distance from nozzle to enclosure surface :<br><b>Between 2.8 m</b><br>2. TEST<br>2.1 The duration of the test is : <b>3 min</b>                                                                                                                 | <b>Pass</b> |

### 2. Reference Data

- (1) Test conditions : 19.3  $^{\circ}$ C, 47 %RH, 86~106 kPa
- (2) Size :  $\varnothing$ 136(100) mm $\times$ H105.9 mm