



# A&E Specifications

## SCV-2081R W-V Compact Vari-focal Dome with IR LEDs

Version 1.0

### 1. GENERAL

- a. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system.
- b. All systems and components shall have been thoroughly tested and proven in actual use.
- c. All systems and components shall be provided with an explicit manufacturer warranty.

### 2. ELECTRICAL

- a. Input Voltage 12V DC /24V AC
- b. Power Consumption Maximum 3.0Watts (LED on) Maximum 4W

### 3. VIDEO

- a. Imaging Device 1/3 Super HAD CCD
- b. Total Pixels 795 (H) x 596 (V)
- c. Effective Pixels 752 (H) x 582 (V)
- d. Scanning System 2:1 Interlace
- e. Synchronisation Internal/ Line Lock
- f. Frequency H : 15.625LHz / V : 50Hz
- g. Horizontal Resolution Colour : 600TV Lines (Minimum) / Monochrome : 700TV Lines (Minimum)
- h. Minimum Illumination Colour : 0.15Lux (50 IRE@ F1.2) 0.0003Lux (Sens-up x 512), LEDs Off Monochrome: 0Lux LEDs On(50IRE@ F1.2)
- i. Signal to Noise Ratio 52dB
- j. Video Output CVBS : 1.0Vp-p / 75Ω

### 4. LENS

- a. Zoom Ratio 3.6 x Optical (Manual)
- b. Focal Length 2.8 – 10mm (F1.2)
- c. Maximum Aperture Ratio 1 : 1.2 (Wide) – 2.8 (Telephoto)
- d. Minimum Object Distance 0.2 meters
- e. Field of View
  - i. Horizontal H : 94.4° (Wide) – 28.0° (Tele)
  - ii. Vertical V : 69.2° (Wide) – 21.0° (Tele)
- f. Focus Manual
- g. Iris Control Automatic/ Manual

### 5. PAN / TILT / ROTATE

- a. Pan Range 0° - 352°
- b. Tilt Range 0° - 73°
- c. Rotate Range 0° - 348°



## 6. OPERATIONAL

- a. On Screen Display
  - i. Supported Languages English, French, German, Italian, Spanish, Russian, Czech, Polish, Romanian, Serbian, Danish, Swedish, Turkish & Portuguese
  - ii. Camera Title On / Off (15 Characters)
- b. Camera RS-485 ID (Address) 1 – 255
- c. Day / Night Mode
  - i. Automatic True day / night with removable Infra Red cut Filter AGC
  - ii. Manual Colour only (day) / Monochrome only (night)
- d. Backlight Compensation Options
  - SSDR
  - Back Light Compensation
  - High Light Compensation
  - Off
- e. Motion Detection On / Off 8 zones
- f. Privacy Masking On / Off with 12 independent zones
- g. 2D + 3D Noise Filter (SSNRIII) On / Off
- h. Sens-up (Frame Integration) On (Selectable 1 – 512K)  
Off
- i. Gain Control
  - Low
  - High
  - Off
- j. White Balance
  - Auto Tracing White (ATW) – 1,700°K – 11,000°K
  - Auto White Control (AWC)
  - Manual White Balance (MWB)
  - Indoor
  - Outdoor
- k. Electronic Shutter Speed
  - Auto (1/50 – 120,000)
- l. Communication
  - Coaxial
- m. Protocol Pelco-C Coaxial),
- n. Flip/Mirror On / Off
- o. Freeze On / Off

**European head office:** Samsung Techwin Europe Ltd, Samsung House, 1000 Hillwood Drive, Chertsey, Surrey. KT16 0PS.

Tel: 01932 45 5308 E-mail: [STSecurity@samsung.com](mailto:STSecurity@samsung.com) Web: [www.samsungcctv.com](http://www.samsungcctv.com)

Samsung Techwin Europe Limited is Registered in England No. 4343432



## 7. ENVIRONMENTAL

- a. Operating
  - i. Temperature -10°C - +50°C
  - ii. Humidity 20% - 80% RH
- b. Storage
  - i. Temperature -20°C - +60°C
  - ii. Humidity 20% - 95% RH

## 8. MECHANICAL

- a. Dimensions :  $\varnothing$ 137 x 106mm
- b. Weight: 1.2Kg
- c. IR LED x12
- d. IR Distance Up to 20m
- e. Ingress Protection IP66
- f. Materials
  - i. Housing High Strength Aluminium
  - ii. Cover Polycarbonate

## 9. CERTIFICATIONS

- CE Class A
- FCC Class A

## 10. WARRANTY

**3 years, parts and labour**

**European head office:** Samsung Techwin Europe Ltd, Samsung House, 1000 Hillswood Drive, Chertsey, Surrey. KT16 0PS.

Tel: 01932 45 5308 E-mail: [STEssecurity@samsung.com](mailto:STEssecurity@samsung.com) Web: [www.samsungcctv.com](http://www.samsungcctv.com)

Samsung Techwin Europe Limited is Registered in England No. 4343432