## Specifications

<table>
<thead>
<tr>
<th>Mode</th>
<th>SHC-735N</th>
<th>SHC-735P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Source</td>
<td>24V AC / 12V DC (±10%)</td>
<td></td>
</tr>
<tr>
<td>Power Consumption</td>
<td>Max. 4.0W</td>
<td></td>
</tr>
<tr>
<td>Image Pick-up Device</td>
<td>1/3” Vertical double density interline color CCD</td>
<td></td>
</tr>
<tr>
<td>Total Pixels</td>
<td>811(H) x 508(V)</td>
<td>768(H) x 560(V)</td>
</tr>
<tr>
<td>Effective Pixels</td>
<td>768(H) x 460(V)</td>
<td>752(H) x 560(V)</td>
</tr>
<tr>
<td>Scanning System</td>
<td>2 - 1 Interface</td>
<td>2 - 1 Interface</td>
</tr>
<tr>
<td>Scanning Frequency</td>
<td>625 Lines / 60 Fields / 30 Frames</td>
<td>625 Lines / 50 Fields / 25 Frames</td>
</tr>
<tr>
<td>Horizontal Resolution</td>
<td>560TV lines</td>
<td>500TV lines</td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>0.0001Lux@F1.2 (Sens-up mode)</td>
<td>50Lux</td>
</tr>
<tr>
<td>Video Output</td>
<td>1.0Vp-p / 75Ω</td>
<td>1.0Vp-p / 75Ω</td>
</tr>
<tr>
<td>S/N Ratio (Y signal)</td>
<td>52dB (AGC-Off, Weight off)</td>
<td>52dB (AGC-Off, Weight off)</td>
</tr>
<tr>
<td>Day &amp; Night</td>
<td>Color / BW / Auto selectable (ICF filter change)</td>
<td>Color / BW / Auto selectable (ICF filter change)</td>
</tr>
<tr>
<td>Electronic Shutter Speed</td>
<td>Auto (Manual selectable: 1/50 ~ 1/120,000sec)</td>
<td>Auto (Manual selectable: 1/50 ~ 1/120,000sec)</td>
</tr>
<tr>
<td>Blemish Compensation</td>
<td>256 point (Every 128 point, ODD 128 point)</td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td>RS-485</td>
<td></td>
</tr>
<tr>
<td>Lens Mount</td>
<td>C / CS-mount (Easy focus type)</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10°C ~ +50°C</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>75.2(H) x 59.6(W) x 102.6(D)mm</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>315g</td>
<td></td>
</tr>
</tbody>
</table>

## Dimensions

Dimensions: Unit: mm

![Dimensions Diagram](image)

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**The Eco-mark represents Samsung Techwin’s will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.**

Design and specifications are subject to change without notice.

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**Superior performance beyond imagination**

**Superb images overcoming natural light limitations**

**SHC-735**

**imagine Super Vision at Anytime, Anywhere**

The SHC-735 by Samsung Techwin is a camera with a built-in fourth-generation DSP image engine SWV chipset, which provides the best quality images, anytime and anywhere. The SHC-735 comes complete with the world’s best 560TV lines color resolution, a further improved WDR function for better color presentation in backlit, and clear picture quality without noise for low light level environments.
The SV IV is the latest fourth-generation chipset in the Super Vision series, which has been independently developed by Samsung Techwin using super-precision image analysis techniques and three-dimensional noise reduction technology (SSNR II).
An unbeatable resolution of 560TV lines for color and 700TV lines for black and white.

The SHC-735 cameras contain a built-in SV and provide clear picture quality for surveillance using a horizontal resolution of over 560TV lines that is unrivalled by other similar camera ranges. The SHC-735 cameras give a much greater level of accuracy in recognising the facial features of surveillance subjects, and reading vehicle registration numbers, by providing clear images.

Realising clean, clear images with S/N 52dB

The SHC-735 provides clean, clear images without screen noise via an S/N ratio of 53dB that is superior to that of other camera brands.

Further 128X Improved WDR by pixel unit image processing

The WDR of the SHC-735 compensates for backlight 128 times more effectively than previous models, by applying an optimum fusion ratio when combining the high speed shutter used in bright areas and the low speed shutter used in dark areas.

Flexible backlight compensation zone setting

The SHC-735 sets a backlight blocking zone that is optimised for the user environment through an intelligent User BLC (Black Light Compensation) function.
High sensitivity - an ultra low light level of 0.0001Lux

The SHC-735 detects the slightest level of light even in an environment with a poor light source, and can operate in an ultra low light level of 0.0001Lux in color mode, by implementing up to 256X Sens-up.

Intelligent motion detection MD

The SHC-735 can mask up to 8 areas in color on the surveillance screen and automatically detects movement. The SHC-735 supports an intelligent motion detection function by enabling the user to make different color and sensitivity settings for up to 8 areas.

DIS stabilises images by reducing flickering

The SHC-735 has a built-in DIS (Digital Image Stabilizer) that effectively stabilises images when the weather changes or in strong winds that can affect the camera, causing blurring or flickering of images.

Privacy masking for up to 8 areas

Up to 8 unwanted areas within the surveillance area can be masked with 6 different colors, and therefore an appropriate level of privacy protection can be ensured.

Supporting RS-485 remote control

The setting of the camera menu, or changing the settings, can be done by remote control via an RS-485 port.

Application of three-dimensional noise reduction technology, SSNR II

Superb picture quality at a low light level

More efficient night-time surveillance can be achieved with the enhanced 3D DNR SSNR II function that has been built-in to improve the S/N ratio to 52dB, and to achieve clear picture quality at a low light level, giving unblurred images.

24 hour surveillance with the ICR Day & Night function

The SHC-735 provides a high quality image by activating the ICR (Infrared Cut Filter Removal) Day & Night function that detects changes in the level of light at any time of day, and then switches to the optimum surveillance mode according to the light level.

Convenient Multi-language OSD setting

The SHC-735 allows OSD menu setting and supports the Multi-language for OSD setting including English, Spanish, French, German, Italian and Chinese, resulting in easy, quick, user-friendly setting.

SSNR II Off
SSNR II On

DIS Off
DIS On

Motion Detected
Motion Detected

Conventiona Camera
SHC-735

SSNR II Off
SSNR II On

Day
Night

Wide range of smart functions for user convenience such as Multi-language OSD!