

# SCP-3120/3120V/3120VH



1/4" 12x High Resolution WDR Mini PTZ  
Dome Camera



SCP-3120

SCP-3120V

SCP-3120VH



## Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0.7Lux@F1.65 (Color), 0.07Lux (B/W)
- Powerful 12x zoom (3.6 ~ 44.3mm), Digital 16x
- WDR, VPS, True Day / Night (ICR), Intelligent video, MD, DNR (3D+2D)
- IP66 : SCP-3120V/3120VH, Coaxial control (CCVC), RS-485, 24V AC

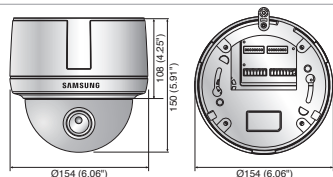
## Accessories (Optional)



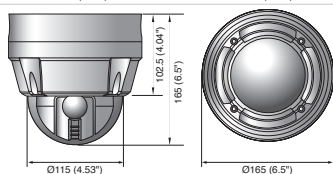
## Dimensions

Unit : mm (inch)

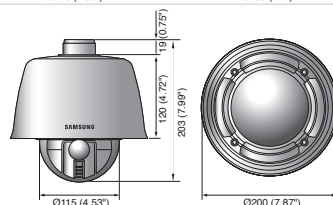
SCP-3120



SCP-3120V



SCP-3120VH



## Technical Specifications

|                                  | SCP-3120N/3120VN/3120VHN                                                                                                                    | SCP-3120P/3120VP/3120VHP                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| VIDEO                            |                                                                                                                                             |                                                                |
| Imaging Device                   | 1/4" Ex-view HAD CCD (Double scan)                                                                                                          |                                                                |
| Total Pixels                     | 811(H) x 508(V)                                                                                                                             | 795(H) x 596(V)                                                |
| Effective Pixels                 | 768(H) x 494(V)                                                                                                                             | 752(H) x 582(V)                                                |
| Scanning System                  | 2 : 1 Interlace                                                                                                                             |                                                                |
| Synchronization                  | Internal / Line lock                                                                                                                        |                                                                |
| Frequency                        | H : 15.734KHz / V : 59.94Hz                                                                                                                 | H : 15.625KHz / V : 50Hz                                       |
| Horizontal Resolution            | Color : 600TV lines, B/W : 700TV lines                                                                                                      |                                                                |
| Min. Illumination                | Color : 0.7Lux@F1.65 (50IRE), 0.001Lux (Sens-up, 512x)<br>B/W : 0.07Lux@F1.65 (50IRE), 0.0001Lux (Sens-up, 512x)                            |                                                                |
| S / N Ratio                      | 52dB (AGC off, Weight on)                                                                                                                   |                                                                |
| Video Output                     | CVBS : 1.0 Vp-p / 75Ω composite                                                                                                             |                                                                |
| LENS                             |                                                                                                                                             |                                                                |
| Focal Length (Zoom Ratio)        | 3.6 ~ 44.3mm (Optical 12x)                                                                                                                  |                                                                |
| Max. Aperture Ratio              | 1 : 1.65(Wide) ~ 2.01(Tele)                                                                                                                 |                                                                |
| Angular Field of View            | H : 54.44°(Wide) ~ 4.64°(Tele) / V : 41.42°(Wide) ~ 3.52°(Tele)                                                                             |                                                                |
| Min. Object Distance             | 1m (3.28ft)                                                                                                                                 |                                                                |
| Focus Control                    | Auto / Manual / One shot                                                                                                                    |                                                                |
| Zoom Movement Speed              | 1.9sec                                                                                                                                      |                                                                |
| PAN / TILT                       |                                                                                                                                             |                                                                |
| Pan Range                        | 360° Endless                                                                                                                                |                                                                |
| Pan Speed                        | Preset : 650°/sec, Manual : 0.05°/sec ~ 120°/sec (Proportional zoom ratio)                                                                  |                                                                |
| Tilt Range                       | -5° ~ 185°                                                                                                                                  |                                                                |
| Tilt Speed                       | Preset : 650°/sec, Manual : 0.05°/sec ~ 120°/sec (Proportional zoom ratio)                                                                  |                                                                |
| Preset                           | 255                                                                                                                                         |                                                                |
| Preset Accuracy                  | ±0.1°                                                                                                                                       |                                                                |
| OPERATIONAL                      |                                                                                                                                             |                                                                |
| On Screen Display                | English, French, Spanish, Italian, German, Portuguese, Korean                                                                               | English, French, Spanish, German, Italian, Chinese, Portuguese |
| Camera Title                     | Off / On (Displayed 12 characters)                                                                                                          |                                                                |
| Day & Night                      | Off / Auto / B/W                                                                                                                            |                                                                |
| Backlight Compensation           | BLC / WDR / Off                                                                                                                             |                                                                |
| Wide Dynamic Range               | 128x (52dB)                                                                                                                                 | 160x (52dB)                                                    |
| Contrast Enhancement             | XDR (Off / Low / Mid / High)                                                                                                                |                                                                |
| Digital Noise Reduction          | Adaptive 3D+2D (Off / Low / Mid / High / User)                                                                                              |                                                                |
| Digital Image Stabilization      | Off / On                                                                                                                                    |                                                                |
| Motion Detection                 | Off / Tracking / Detection                                                                                                                  |                                                                |
| Privacy Masking                  | Off / On (12 programmable zones with polygonal masking)                                                                                     |                                                                |
| Sens-up (Frame Integration)      | 2x ~ 512x                                                                                                                                   |                                                                |
| Gain Control                     | Off / Low / Medium / High / Manual                                                                                                          |                                                                |
| White Balance                    | ATW (In) / ATW (Out) / AWC / Manual                                                                                                         |                                                                |
| Electronic Shutter Speed         | 1/60 ~ 1/10,000sec                                                                                                                          | 1/50 ~ 1/10,000sec                                             |
| Digital Zoom                     | Off / On (1x ~ 16x)                                                                                                                         |                                                                |
| Digital Flip                     | Off / On                                                                                                                                    |                                                                |
| VPS                              | Off / On                                                                                                                                    |                                                                |
| Intelligent Video                | Fixed / Moved                                                                                                                               |                                                                |
| Schedule                         | Day / Time                                                                                                                                  |                                                                |
| Alarm                            | 2 In 2 Out                                                                                                                                  |                                                                |
| Communication                    | Coaxial control, RS-485                                                                                                                     |                                                                |
| Protocol                         | Coax : CCVC<br>RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE                                                  |                                                                |
| ENVIRONMENTAL                    |                                                                                                                                             |                                                                |
| Operating Temperature / Humidity | -10°C ~ +50°C (+14°F ~ +122°F) / Less than 90% RH : SCP-3120<br>-50°C ~ +50°C (-58°F ~ +122°F) / Up to 100% RH : SCP-3120V/3120VH           |                                                                |
| Ingress Protection               | IP66 : SCP-3120V/3120VH                                                                                                                     |                                                                |
| ELECTRICAL                       |                                                                                                                                             |                                                                |
| Input Voltage                    | 24V AC ±10%                                                                                                                                 |                                                                |
| Power Consumption                | Max. 12W : SCP-3120, Max. 12W / 45W (Fan & heater on) : SCP-3120V/3120VH                                                                    |                                                                |
| MECHANICAL                       |                                                                                                                                             |                                                                |
| Color / Material                 | Ivory / Plastic (Dome cover : Clear) : SCP-3120<br>Ivory / Aluminum, Plastic (Dome cover : Clear) : SCP-3120V/3120VH                        |                                                                |
| Dimensions (WxH)                 | Ø154.0 x 150.0mm (Ø6.06" x 5.91") : SCP-3120, Ø165.0 x 165.0mm (Ø6.5" x 6.5") : SCP-3120V<br>Ø200.0 x 203.0mm (Ø7.87" x 7.99") : SCP-3120VH |                                                                |
| Weight                           | 1Kg (2.2 lb) : SCP-3120, 1.8Kg (3.97 lb) : SCP-3120V, 2.4Kg (5.29 lb) : SCP-3120VH                                                          |                                                                |