

SSC-G813

A high performance fixed camera, ideal for surveillance work indoors or outdoors.

Today's security market demands high-quality cameras that achieve more than just 'satisfactory' picture performance in tough monitoring environments. To meet this need, Sony is proud to introduce the intelligent SSC-G813.

A 1/2 inch CCD, works in conjunction with the built-in Digital Signal Processor (DSP) to deliver 540 TV lines of usable resolution, even in very poor lighting conditions. With a 12-bit colour dynamic range, the camera retains clarity even in high contrast environments, reproducing brightly coloured objects with increased depth. Dynamic Noise Reduction maximises visible detail and limits the appearance of motion blur.

The SSC-G813 also comes equipped with an intelligent face detection function, flagging the appearance of faces in the image with the letters "FD" on the monitor. This is an advanced security camera you can depend on.

Benefits

Excellent Picture Quality with the 1/2 Inch Exwave HAD CCD

Highly sensitive sensor developed for both day and night-time use. Works in very low light conditions – even as low as 0.28 lx.

Precise Colour Reproduction

With a 12-bit colour dynamic range the camera reproduces images more precisely than conventional cameras. Users can choose the most suitable colour saturation level, according to the type of scene, the environment and the user's preference.

Superb 2D/3D Dynamic Noise Reduction (DNR)

DNR technology eliminates noise and motion blur to reproduce distinct and clear images. The technology utilises both an adaptive 2D filter and 3D filter according to the Automatic Gain Control (AGC) value to reduce noise.

Optical Day/Night function

Optimises sensitivity in day and night conditions. As night falls, an infra-red filter is automatically removed and the camera switches to monochrome. In this mode, the camera can acquire images in as little as 0.005 lx.

Intelligent Face Detection

These cameras come equipped with an intelligent face detection function. When the camera detects a face in the 'sensing area' the letters "FD" appear on the monitor.

Advanced Backlight Compensation

The SSC-G813 automatically compensates for difficult backlighting conditions and retrieves detail in the foreground that would otherwise be lost.

Auto Tracing White Balance Mode (ATW-PRO)

The ATW function automatically adjusts each camera's white balance to accommodate sudden changes in lighting conditions. The function has five modes: ATW, ATW-PRO, 5600K, 3200K and Manual. The ATW-PRO mode has the colour temperature reference, so the camera can avoid excessive white balance adjustment.

Remote control capability

The SSC-818 can be remotely controlled using RS-485. It supports SSPP and PelcoD commands, to directly adjust camera parameters.

Digital zoom function

The camera can digitally zoom x2/x4/x8 and x16

Technical Specifications

| General | |
|-----------------------|-------------------------------------------------------|
| Mass | 400g |
| Dimension (W x H x D) | 63 x 57 x 124 mm |
| Power requirements | DC 12 V \pm 10% or AC 24 V \pm 10% to -40%, 50 Hz |
| Power consumption | 2.8W |
| Operating Humidity | 20% to 80% |
| Storage Humidity | 20% to 95% |
| Operating temperature | -10°C to +50°C |
| Storage temperature | -40°C to +60°C |

| Camera | |
|----------------------------|---------------------------------------------------------------------------------------------------------|
| Image Sensor | 1/2-type CCD with Exview HAD technology |
| Effective picture elements | 752 x 582 (H x V) |
| Auto iris lens | DC servo or VIDEO servo auto |
| Digital zoom | OFF/x2/x4/x8/x16 |
| Video level | Variable |
| AGC | OFF/Normal/Turbo/Manual |
| Shutter | 1/50 sec to 1/100,000 sec (12 steps), OFF/MANUAL/CCD-IRIS selectable |
| Back-light compensation | OFF/iBLC/SPOT |
| Minimum illumination | Color: 0.28 lx at F1.2 (50 IRE, AGC ON, Turbo mode), B/W: 0.005 lx at F1.2 (50 IRE, AGC ON, Turbo mode) |

| Anaglogue video output | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Signal systems | PAL standard |
| Horizontal resolution | 540 TV lines |
| S/N ratio | Better than 57 dB (AGC OFF) |
| Variable Gamma | OFF/SCENE1/SCENE2/SCENE3/SCENE4 selectable |
| Sharpness | SOFT/NORMAL/SHARP |
| Color saturation | L to H (4 steps) |
| Optical Day/Night | Auto/External/Color B/W selectable |
| Activity detection | ON/OFF selectable |
| Face detection | ON/OFF selectable |
| Privacy masking | ON/OFF selectable (with area setting function) |
| Camera title | Up to 24 characters (Alphabet, Arabic numeral and some marks, and Simplified Chinese character), ON/OFF selectable (with 4 prepositions) |
| Use presets | A/B Reset selectable |
| Custom templates | ENTRANCE/OFFICE/PARKING/SUBWAY/LOBBY/STATION |
| Flip | OFF/VERT/HORIZ/BOTH selectable |
| Digital noise reduction | L to H (5 steps) |
| Slow shutter | OFF/x2/x4/x8/x16/x32/x64/x128/x256/x512 |
| Back focus adjustment | Yes |
| Synch systems | Internal/AC line lock selectable |
| RS-485 address | 1-255 |
| White balance | ATW/ATW-PRO/3200K/5600K/Manual |