

# SSC-G813/SSC-G818

Color Video Camera

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Today's security sector calls for high-quality cameras that achieve more than just satisfactory picture performance in tough monitoring environments. To meet this need, Sony is proud to introduce two 1/2-type color video surveillance cameras — the SSC-G813 and the SSC-G818.

Employing Exwave HAD CCDs and highly-sophisticated DSP, the SSC-G813 and SSC-G818 offer high-resolution images of 540 TV lines. They can also facilitate night-time monitoring under low illumination with insufficient visibility by achieving a minimum illumination of 0.28 lx.

Providing excellent picture quality and user-friendly features, the SSC-G813 and SSC-G818 are the perfect choice for many surveillance applications, for example in transportation, subways, parking lots, financial facilities, and business organizations.



## Features

### ■ Excellent Picture Quality

The SSC-G813 and SSC-G818 incorporate 1/2-type CCDs with Exwave HAD technology and newly developed DSP from Sony. Because the Exwave HAD CCD was originally developed to provide high sensitivity in both day- and night-time applications, these cameras reach a minimum illumination of 0.28 lx, making them a powerful tool for 24-hour surveillance applications. Embodying accumulated expertise in the semiconductor industry, the DSP performs high-resolution processing and provides clear and advanced picture quality. These two technologies are key to making these cameras an excellent fit for highly demanding security environments.

### ■ Precise Color Reproduction

With a 12-bit color dynamic range, the SSC-G813 and SSC-G818 reproduce images more precisely than conventional cameras. Brightly-colored objects, for example, allow users to easily distinguish suspicious objects in widely-captured views. Users can choose the most suitable color saturation level in four steps, according to the type of scene, the environment, and to user preference.

### ■ Superb 2D/3D Digital Noise Reduction

The SSC-G813 and SSC-G818 incorporate Adaptive DNR (Digital Noise Reduction) technology which eliminates noise and motion blur to reproduce distinct and clear images. The technology utilizes both an adaptive 2D filter and an adaptive 3D filter according to the AGC value to reduce noise.



### ■ Optical Day/Night

These cameras offer an Optical Day/Night function to provide optimized sensitivity in both day- and night-time shooting scenarios. As scene illumination reduces and the acquired image darkens, the infrared filter is automatically removed and the camera switches to B&W mode, requiring a minimum illumination of only 0.005 lx. For added flexibility, the function can be initiated on demand through an external control signal or on the screen setup menu.

### ■ Advanced Backlight Compensation

Unwanted backlighting can prevent users from identifying the captured subject. The BLC function of the SSC-G813 and SSC-G818 automatically compensates for such undesirable conditions and improves subject visibility.



(Simulated images)

### ■ Auto Tracing White Balance Mode (ATW-PRO) for White Balance Adjustment

The ATW function automatically adjusts each camera's white balance to accommodate sudden changes in lighting conditions. The SSC-G813 and SSC-G818 provide an extremely wide ATW range of 2,000 K to 10,000 K to achieve an appropriate color balance under different lighting conditions. The function has five modes: ATW, ATW-PRO, 5600K, 3200K, and Manual. ATW-PRO mode has the color temperature reference, so the cameras can avoid excessive white balance adjustment.

### Remote Control Capability

The SSC-G813 and SSC-G818 can be remotely controlled by RS-485 signal on the rear panel. This feature supports SSPP and PelcoD commands to directly adjust camera parameters on the OSD menu.

### Face Detection

These cameras come equipped with an intelligent face-detection function, which is a new addition to the SSC Series. When one of these cameras detects a human face in its sensing area, the letters "FD" appear on the monitor.

### Advanced Usability Functions

#### Slow Shutter

With the Slow Shutter function, the SSC-G813 and SSC-G818 lengthen the CCD exposure time to get clear images under low-lighting conditions.

#### Digital Zoom (x2/x4/x8/x16)

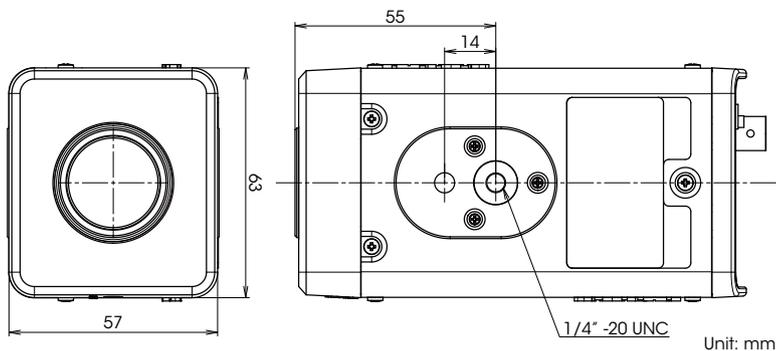
#### Auto IRIS Lens

The SSC-G813 and SSC-G818 are equipped with a 4-pin auto iris connector to function with both DC and VIDEO servo lenses.

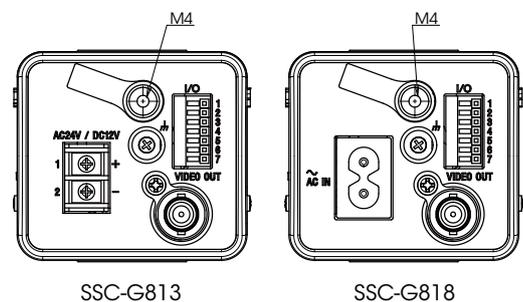
## Specifications

	SSC-G813	SSC-G818
Image sensor	1/2-type CCD with Exview HAD technology	
Effective picture elements	752 x 582 (H x V)	
Signal systems	PAL standard	
Horizontal resolution	540 TV lines	
S/N ratio	Better than 57 dB (AGC OFF)	
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/BLC/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)	
Variable gamma	OFF/SCENE1/SCENE2/SCENE3/SCENE4 selectable	
White balance	ATW/ATW-PRO/3200K/5600K/Manual	
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	
Operating temperature	-10°C to +50°C	
Storage temperature	-40°C to +60°C	
Operating humidity	20% to 80%	
Storage humidity	20% to 95%	
Power requirements	DC 12 V ±10% or AC 24 V +10% to -40%, 50 Hz	220-240VAC ±10%, 50Hz
Power consumption	2.8 W	3.1 W
Dimensions (W x H x D)	63 x 57 x 124 mm	
Mass	400 g	420 g

## Dimensions



## Rear Panels



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