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SSC-G818

A high performance fixed camera for tough monitoring conditions, 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-G818.

A ½ 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-G818 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.

1-year PrimeSupport is included as standard within the EU, Norway and Switzerland. This gives users access to an expert helpdesk and, in the unlikely event of a failure, will arrange for an advance replacement unit to be delivered within a target time of one working day. An additional 2-years support is also available as an option.

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-G818 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	420g
Dimension (W x H x D)	63 x 57 x 124 mm
Power requirements	220-240VAC ±10%, 50Hz
Power consumption	3.1W
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)

Anagalogue 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, andSimplified 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