SAMSUNG

SOC-420(P)
SOC-220(P)

Installing Manual E

Montageanleitung D

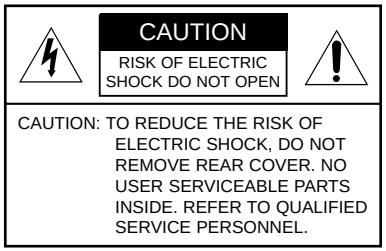
Manuel d’installation F

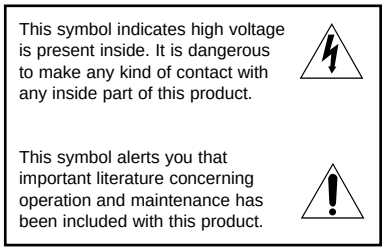
Manual de instalación Es

Manuale d’installazione I



Important Safety Instructions





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1. **Make sure that the cable is plugged in securely before using. (A loose connection may result in fire.)**
2. **When installing the camera on a wall or ceiling, mount it safely and securely. (A falling camera may cause personal injury.)**
3. **Do not place conductive objects (e.g., screwdrivers, coins, and metal things) or containers filled with water on top of the camera. (Serious injury may result from fire, electric shock, or falling objects.)**
4. **Do not install in a sooty, dusty, or humid location. (Doing so may cause fire or electric shock.)**
5. **If any unusual smells or smoke come from the unit, stop using the product. In such case, immediately disconnect the power source and contact the service center. (Continued use in such a condition may cause fire or electric shock.)**
6. **If this product fails to operate normally, contact the store of purchase or your nearest service center. Never disassemble or modify this product in any way. (The manufacturer is not liable for any damage resulting from unauthorized disassembly or repairs.)**
7. **When cleaning, do not spray water directly onto parts of the product. (Doing so may cause fire or electric shock.) Wipe the surface with a dry cloth. Never use detergents or chemical cleaners on the product, as this may result in discoloration of surface or cause damage to the finish.**

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1. **Do not drop objects on the product or apply strong shock to it. Keep away from a location subject to excessive vibration or magnetic interference.**
2. **Do not install in a location subject to high temperature (over 50°C/122°F), low temperature (below -10°C/14°F), or high humidity. (Doing so may cause fire or electric shock).**
3. **Avoid a location which is exposed to direct sunlight, or near heat sources such as heaters or radiators. (Neglecting to do so may result in a risk of fire).**
4. **If you want to relocate the already installed product, be sure to turn off the power and then move or reinstall it.**
5. **Install in a well - ventilated location.**
6. **Remove the power plug from the outlet when there is a lightning storm. (Neglecting to do so may cause fire or damage to the product.)**

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SOC-420(P)/SOC-220(P) Introduction

The SOC-420(P)/SOC-220(P) is a camera for the VPP (Video Professional Package) only. The SOC-420(P) has a 12x zoom lens and a built-in microphone and the SOC-220(P) has a built-in microphone. Both cameras can easily be installed by novices.

The SOC-420(P) is an advanced surveillance device that enables a maximum of 120x zoom surveillance with its 12x zoom lens and 10x digital zoom IC.

The SOC-420(P) is a multifunction surveillance device that is equipped with all of the key features of the existing surveillance cameras: the Low-Light Surveillance function that enables shooting moving objects under extremely low illumination; the White Balance function that provides accurate color rendition under any light source; the BLC function that enables effective back light compensation even at locations with bright incident light; the built-in microphone that allows the user to hear all sounds generated in the monitoring area; and the One Auto Focus function that automatically tracks and focuses on the subject. The built-in microphone that allows the user to hear all sounds generated in the monitoring area.

Also, the SOC-220(P) features the Auto White Balance function and the built-in microphone. Unlike the SOC-420(P), it does not have a zoom lens.

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Before Installation

Checking the Contents of the Package

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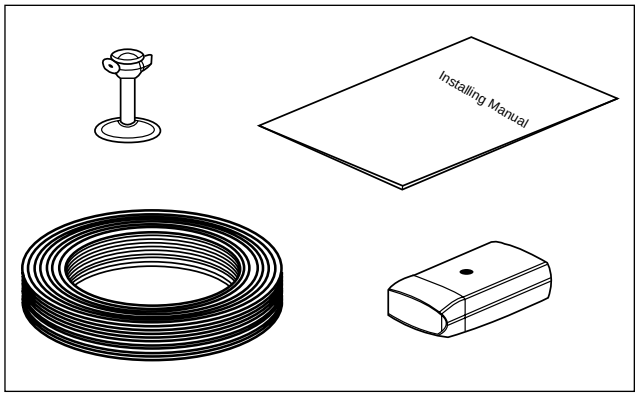
Make sure that all items (including the camera, mounting bracket, installing manual and cable) are included in your SOC-420(P)/SOC-220(P) package.



Precautions for Installation and Use

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- ✔ Please check whether the installation site can sufficiently support the weight of the SOC-420(P)/SOC-220(P) before installation. (approx. 800g for the SOC-420(P) and 500g for the SOC-220(P)).
- ✔ Make sure that the cable is not caught on anything or its insulation sheath is not removed. (Neglecting to do so may cause fire or damage to the product.)
- ✔ Prevent people from approaching the installation area, where objects might fall during installation. Move valuables to a safe location before installation.
- ✔ Install in a cool place and away from direct sunlight.
  Be sure not expose the SOC-420(P)/SOC-220(P) to direct sunlight even during use or storage. Use the BLC function when operating the SOC-420(P)/SOC-220(P) underneath a spot light or under very bright lights.
- ✔ The SOC-420(P)/SOC-220(P) must be used in an area where temperature and humidity are kept within the limits specified below:
  - Temperature: -10°C ~ +50°C (14°F~122°F)
  - Humidity: Below 90%

Installing SOC-420(P)/SOC-220(P)

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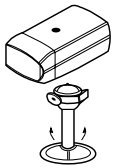
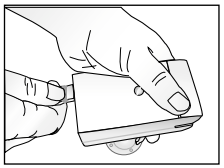
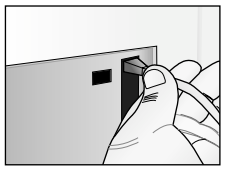
1. Choose an installation site that can sufficiently support a minimum of five times the net weight of the equipment to be installed (approx. 800g for the SOC-420(P) and 500g for the SOC-220(P)).

2. Install the provided mounting bracket and then connect one end of the cable to the rear of the camera. When doing this, arrange the cable so that it won't get damaged or caught on anything.

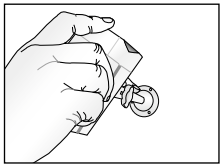


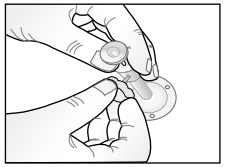
3. Connect the other end of the cable to the monitor or other accessory equipment.





4. Use the handle on the mounting bracket to direct the camera to the area you want to monitor.





SOC-420(P)/SOC-220(P) - Pin Configuration

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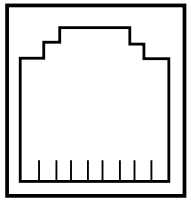

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1	DATA+
2	VIDEO_OUT
3	GND
4	DATA-
5	AUDIO_OUT
6	VDD
7	GND_V
8	CH_SEL

SOC-420(P)/SOC-220(P) - Product Specifications

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ITEM	DESCRIPTION	
	SOC-220P	SOC-420P
Product Type	Normal Camera	12x Zoom Lens Camera
Power Source Voltage	DC 12~18V From Monitor	DC 12~18V From Monitor
Power Consumption	Approx. 2W	Approx. 6W
Broadcast System	PAL Standard Color Camera	PAL Standard Color Camera
Imaging Device	1/4 inch IT Super HAD CCD	1/4 inch IT S-HAD CCD
Effective Pixel	500(H) X 582(V)	752(H) X 582(V)
Scanning Method	625 Line, 2:1 Interlace	625 Line, 2:1 Interlace
Line Frequency	Horizontal:15,625 Hz Vertical: 50 Hz	Horizontal:15,625 Hz Vertical: 50 Hz
Synchronization Method	INT	INT
Resolution	330 TV Lines	480 TV Lines
S/N Ratio	Over 48dB	Over 50dB (AGC Off)
Minimum Scene Illumination	2 Lux (F2.0 50IRE)	2 Lux (Sense Up Off) 0.02 Lux (Sense Up x128)
Color Temperature	ATW	ATW/AWC/Manual MODE (3200°K, 5600°K, R/B Gain Control)
Electronic Shutter	ELC	Off, 1/120, 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K sec
Back Light Compensation		Off/On (Area Setting)
Sense Up		Off/Auto x2~x128/Fix x2~x128
Digital Zoom		Off, x2, x4, x6, x8, x10
Motion Detection		Off/On (Area/Sensitivity Setting)
Video Control		POSI/NEGA, MIRROR, Detail Setting
Signal Output	Composite Video Out : 1.0 Vp-p 75 ohms/RJ45	Composite Video Out : 1.0 Vp-p 75 ohms/RJ45
Lens	Focal length : 2.9 mm Aperture(F) : F2.0	Focal length : 3.6 ~ 43.2 mm Aperture : F1.8(Wide), F2.6(Tele)
Operating Temperature	-10°C ~ +50°C	-10°C ~ +50°C
Operating Humidity	~90%	~90%
Physical Size	51.8mm(W)x50.3mm(H)x96.5mm(L)	51.8mm(W)x50.3mm(H)x96.5mm(L)
Weight	Approx. 100g	Approx. 160g

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ITEM	DESCRIPTION	
	SOC-220	SOC-420
Product Type	Normal Camera	12x Zoom Lens Camera
Power Source Voltage	DC12~18V From Monitor	DC12~18V From Monitor
Power Consumption	Approx. 2W	Approx. 6W
Broadcast System	NTSC Standard Color Camera	NTSC Standard Color Camera
Imaging Device	1/4 inch IT Super HAD CCD	1/4 inch IT S-HAD CCD
Effective Pixel	510(H) X 492(H)	768(H) X 494(V)
Scanning Method	525 Line, 2:1 Interlace	525 Line, 2:1 Interlace
Line Frequency	Horizontal:15,743 Hz Vertical: 60 Hz	Horizontal:15,734 Hz Vertical: 60 Hz
Synchronization Method	INT	INT
Resolution	330 TV Lines	480 TV Lines
S/N Ratio	Over 48dB	Over 48dB (AGC Off)
Minimum Scene Illumination	2 Lux (F2.0 50IRE)	2 Lux (Sense Up Off) 0.02 Lux (Sense Up x128)
Color Temperature	ATW	ATW/AWC/Manual MODE (3200°K, 5600°K, R/B Gain Control)
Electronic Shutter	ELC	Off, 1/100, 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K sec
Back Light Compensation		Off/On (Area Setting)
Sense Up		Off/Auto x2~x128/Fix x2~x128
Digital Zoom		Off, x2, x4, x6, x8, x10
Motion Detection		Off/On (Area/Sensitivity Setting)
Video Control		POSI/NEGA, MIRROR, Detail Setting
Signal Output	Composite Video Out : 1.0 Vp-p 75 ohms/RJ45	Composite Video Out : 1.0 Vp-p 75 ohms/RJ45
Lens	Focal length : 3.8 mm Aperture(F) : F2.0	Focal length : 3.6 ~ 43.2 mm Aperture : F1.8(Wide), F2.6(Tele)
Operating Temperature	-10°C ~ +50°C	-10°C ~ +50°C
Operating Humidity	~90%	~90%
Physical Size	51.8mm(W)x50.3mm(H)x96.5mm(L)	51.8mm(W)x50.3mm(H)x96.5mm(L)
Weight	Approx. 100g	Approx. 160g