

Compact, High Resolution Mono, Colour and Dual-Mode Security Cameras

- Automatic Exposure control
- Automatic White balance adjustment
- Backlight compensation
- Solenoid operated mechanical IR filter
- True Day / Night — Dual-mode models
- Wide Dynamic Range models



Lens not included

Sensor	1/3" CCD
Auto Exposure Mode	Electronic (1/80,000 s)
Voltage	12V DC, 200 mA
Synchronisation	Internal
Video Signal	Composite PAL - 75Ω
Operating Temp.	-10 °C to +55 °C
Relative Humidity	85% Max. non-condensing
Unit Mass (no lens)	200g
Housing	IP30 Internal use only

BNC video connector.

Lens mount for C and CS lenses.

P-connector for both DC and Video drive Auto-iris lenses

SC5712ST and SC8012ST models automatically switch modes to accommodate the ambient light levels with the IR filter mechanically removed to allow infra-red viewing.

Mode		Resolution	Sensitivity	Response	ORDER CODE
Mono		570TVL	0.1 Lux	380-1000 nm	S5712
Colour		450 TVL	1.0 Lux	380 - 660 nm	SC5712S
Colour		450 TVL	0.85 Lux	380 - 660 nm Sony® Ex-view™ CCD	SC5712SX
Dual-mode	Colour	450 TVL	1.0 Lux	380 - 660 nm	SC5712ST
	Monochrome	560 TVL	0.4 Lux	380 - 1000 nm Infra-red sensitive	
Wide Dynamic Range	Colour	450 TVL	1.0 Lux	380 - 660 nm	SC8012ST
	Monochrome	560 TVL	0.4 Lux	380 - 1000 nm Infra-red sensitive	

SC5712S

Function Controls

- Electronic Exposure / Mechanical Iris
- DC/ Video Drive Auto-iris Selector
- Backlight Compensator Function
- Manual Colour Temperature Setting

Safety Precautions

Installation should only be undertaken by experienced personnel in accordance with local regulations.

Operate the camera with the designated voltage only.

Never use the camera for a purpose other than designated.

Never expose the camera to direct sunlight without additional camera housing.

Keep sufficient distance from direct heat sources.

Repairs and adjustments to the camera should only be undertaken by authorised persons.

If any liquid or solid matter should enter the housing, disconnect the camera from power supply and have it checked by your authorised dealer before re-using.
(Danger of electric shock !)

Connection

Connect the coaxial cable (with pre-wired BNC plug) to the BNC connector (Video) of the camera

If you are using an automatic iris lens with the camera, the lens has to be connected to the A-Iris socket of the camera.

If you are using a lens with manual or fixed iris, this socket is not used.

The operating voltage is either connected to the designated terminal block (12 V/DC and 24 V/AC) or via the attached mains cord. Operation of the camera will be confirmed by the power LED at the rear side of the camera.

Switches "LENS" and "IRIS"

If you are using the camera with a manual or fixed iris lens, the switch "IRIS" has to be set to position EI (auto shutter). If you are using the camera with an automatic iris lens (switch in position AI), you can use the "LENS" switch to select the correct lens type. The cameras are suitable for DC driven lenses (switch in position DO) and video driven lenses (switch in position AI). The lens control of DC driven lenses is adjusted with the "Level" potentiometer at the camera.

Switch "BLC" (Backlight)

With an activated backlight function persons in front of the camera can still be recognised even if the background is very bright or contains peak light.

Please see that the backlight function is only available if the camera is used with a manual lens (switch IRIS in position EI).

Adjustment of DC / AI lenses

To adjust a lens with automatic iris (DC driven or video driven) to the camera, please proceed as follows:

1. Turn the Level potentiometer (position: AI lenses at the lens itself, DC lenses: at the camera) to the max. position H (turn right). The monitor picture then appears to be too bright.
2. Slowly turn the Level potentiometer back until the monitor picture appears to be perfect and is not too bright anymore. Then turn the potentiometer back to the right (in direction "H") just a little bit.
3. Check the lens performance by using the camera under different and/or changing light conditions.

PECAN

SC5712S and SC8012S Box Cameras

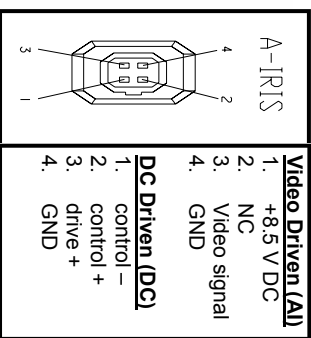
DIP-Switch SETTINGS

Automatic Exposure Mode

Function	Lo	Hi
FLON (Flicker Less) Switch 1	OFF	ON
BLCOF (Back-light comp.) Switch 2	ON	OFF
MIRIS Switch 3	Electronic Iris	Mechanical Iris
AEREF (Enable A.E.Ref.) Switch 4	100 IRE-Setting	Factory Set-up only
AGC MAX Switch 5	20 dB Max	28 dB Max

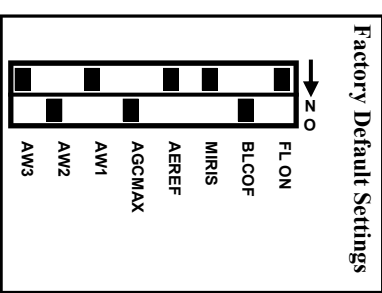
Manual Exposure Mode

Shutter speed (sec)	Switch 3 MIRIS	Switch 2 BLCOF	Switch 1 FLON
1/50	Lo	Lo	Lo
1/120	Lo	Lo	Hi
1/250	Lo	Hi	Lo
1/500	Lo	Hi	Hi
1/1000	Hi	Lo	Lo
1/2000	Hi	Lo	Hi
1/4000	Hi	Hi	Lo
1/10000	Hi	Hi	Hi



Gain Setting	Switch 4 AEREF	Switch 5 AGC MAX
0 dB	Lo	Lo
8 dB	Hi	Lo
12 dB	Lo	Hi
18 dB	Hi	Hi

Mode	Function	Switch 6 AWB 1	Switch 7 AWB 2	Switch 8 AWB 3
Auto WB	Select ATW	Lo		Function
Fixed WB	3200 °K Indoor	Hi	Lo	Lo
	4200 °K	Hi	Lo	Hi
	4700 °K	Hi	Hi	Lo
	6500 °K Outdoor	Hi	Hi	Hi



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