This **NEW** exciting ***Architect's Range*** of external mini external dome style day/night I.R cameras with fixed board lens, are produced in a range to suit the building environment. Finished in four metallic colours, Iridium Silver, Graphite Grey, Soft Champagne and Classic Copper and with their futuristic design, they will look impressive in any location.

Features

- ü Dome Style camera
- ü Special 3-D bracket for wall or ceiling mounting
- ü 14 Infra-Red LEDs
- ü Weatherproof to IP66 standards
- ü Day/Night camera
- ü Good picture quality
- ü Anti-Vandal and attractive design

The CAM100 is an attractive internal/external low cost dome style camera with a cleverly engineered three dimentional bracket that allows mounting on walls, ceilings or outdoor structures not possible with two dimentional domes. This day/night dome camera has infra-red leds and switches to black and white mode for better night vision. The dome is IP66 rated and anti-vandal and can be used externally without the need for additional enclosures or brackets to protect it.

Architect's Range colours

The new exciting Architect's Range of metallic finished cameras are supplied in four colours to match a variety of uses both indoors and outdoors. There is now a camera that will blend in with its surroundings. Choose from the following:

	Iridium Silver	***suits***	***Indoors**: Modern retail & offices* ***Outdoors**: Modern & Industrial Buildings*
	Graphite		***Indoors**: Dark Surfaces – Pubs & Clubs* ***Outdoors**: Brickwork & Dark Surfaces*
	Soft Champagne		***Indoors**: Traditional ceilings* ***Outdoors**: Stonework & Brickwork*
	Classic Copper		***Indoors**: Brickwork & Wood Finishes* ***Outdoors**: Brickwork & Wood Finishes*

Email: support@kovert.com

Installation Instructions

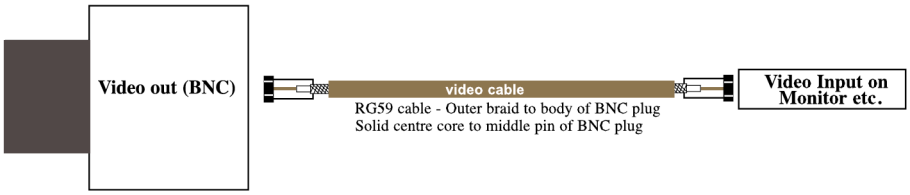
Connecting dome to 12v DC power

The camera is provided with a 2.1mm Mini Jack plug on a fly lead that allows you to connect the power supply to it. When powering these dome cameras with a 12V DC power supply, ensure that the supply is regulated. It is recommended to use a power supply that is rated higher than the current consumption of the camera i.e. allows 25% - 30% minimum headroom, so for these cameras a minimum requirement would be a continuous rating of 400mA or higher per camera. This prevents the PSU from running at its maximum rating for long periods of time. A POW800 or higher is recommended.

Connecting the camera to video control equipment.

The dome camera comes with a fly lead for power and video out. To reduce installation time, the video out lead is terminated into a male BNC connector. This allows the installer to effortlessly connect the camera to control equipment via a female BNC-BNC lead.

Remember that the Video out from the camera is like any other electrical circuit and requires two wires to complete the circuit. When using a co-ax type cable such as RG59 or similar, the outer braid of the co-ax provides the "0V GROUND" connection and the inner core provides the "Video" connection.



It is recommended that when you are first setting up the cameras that you use a short BNC-BNC cable to link the camera directly to the monitor and to set it up at the same time. This allows you to both understand the camera and get the very best out of this great product, as you will be able to adjust the camera whilst looking at the monitor screen. Obviously whilst you are setting up the camera, it does need to be powered!

Securing the dome

1) Remove camera base and screw to wall or ceiling.
2) Position the body to align with securing holes in base.
3) Adjust the camera angle and secure the body to the base by tightening the lock screws.
4) Connect a 12v DC regulated power supply (recommend a POW800) to jack socket.
6) Connect a BNC plug for video output.

Doc XCAM100 **CAM100** **External Infra-Red Dome Style Camera**

Architect's Range ***Technical Specification***	***CAM100R - Classic Copper CAM100C - Soft Champagne*** ***CAM100S - Iridium Silver CAM100G - Graphite Grey***
Image Sensor	1/3" Colour CCD Interline Sensor
Horizontal Resolution	420 TV Lines
Effective Pixels	PAL 500(H) x 582(V)
Scanning system	PAL 625 lines 25 frames
Video Output	1.0V p-p Composite. 75 ohms
S/N Ratio	50dB (AGC Off)
Lens	4.3mm board lens
Minimum Illumination (IR LEDs off)	0.5 Lux colour / 0 lux with IRs on
IR Trigger	< 2.8 Lux
Shutter Speed	PAL: 1/50 ~ 1/100,000 sec
Gamma Correction	r = 0.45 or more
Auto White Balance	2400ºK ~ 9400ºK
Power Source	12 volt DC
Operating Current	330mA (max. with IRs on)
External Rating	IP66
Infra Red LEDs	14 x 850nm I.R LEDs - 8 metre range
Housing	Vandalproof & weatherproof
Operating Temperature	-10ºC ~ 50ºC
Ball Type Fitting	Pan 360º rotation – Tilt 360º - Twist 360º (one circumference only)
Dimensions	Dia. 95mm x H. 69mm

Special Note

When this unit is in use, avoid direct eye contact with the infrared lights.

The unit's glass front can heat up to 60°C when in use and care should be taken to ensure that this dome is fitted where it cannot be easily touched. It must also not be fitted in close proximity of any flammable materials.

Note that infrared light is polarised light and therefore acts rather like a torch beam with a narrow angle of illumination. Although this camera is fitted with a 4.3mm lens it may be necessary to provide additional infra red lighting. Do not use this camera in temperatures below -10° C or higher than +50° C or where humidity is greater than 90%.

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