

The CAM910/920 Kovert NiteDevil

This Kovert NiteDevil Camera is a miniature camera measuring only 43mm wide x 46mm high and only 32mm deep including fixing bracket. This is ideal for internal covert operations and includes a 3.6mm board lens CAM910 or 3.7mm CAM920 providing a resolution of 540 TVL. These cameras come with many of the NiteDevil features including the SENS-UP feature allowing minimum illumination down to an incredible 0.0014 Lux. This kovert camera has a black metal case with a bank of dipswitches on the back providing the necessary low level light functionality of the traditional NiteDevil range. The cameras run on a 12vDC supply and only draw 120mA allowing it to be used effectively with the CCT704 miniature DVR.



Features

1/3" CCD 540 TVL

Low power consumption

3.6mm Board Lens – CAM910

3.7mm Board Lens – CAM920

Miniature covert camera

Free mounting bracket

Electronic Shutter

Low illumination down to 0.0014Lux

12vDC 120mA

SENS-UP auto function 64x – 256x

Built-in DNR function

Auto BLC function

Auto Iris

Powering the Camera

The dome requires a 12v DC regulated power supply providing a minimum of 120mA. When connecting to 12v DC power supply, always use a regulated supply. Use a 12v DC 300mA power supply unit minimum.

Connecting Video

Connect a BNC cable to the BNC connector on the camera and connect cable to monitor or DVR as required.

Precautions

Do not install the camera in extreme temperature conditions. Only use the camera where temperatures are between – 20 degrees centigrade and +50 degrees centigrade.

Never install the camera in damp or humid conditions. This can affect image quality.

This camera requires stable lighting conditions to operate effectively.

Do not touch the front lens of the camera. Fingerprints can stain the lens glass.

The camera must not be placed directly facing the sun or strong light. This may damage the camera CCD.

Never expose the camera to rain or liquids. These will corrode the camera electronics.

Do not subject the camera to vibration as it may cause camera malfunctions.

Only use this camera internally.

Dipswitch Settings

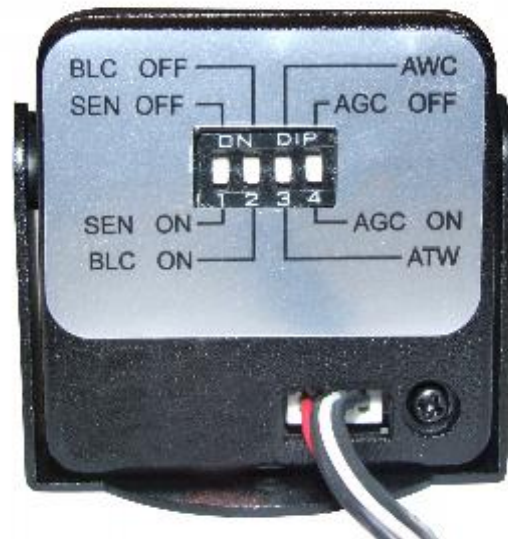
- SEN ON Automatic SENSE-UP
 Presets to 64x ~ 256X

- BLC ON Automatic Backlight
 Compensation

- AGC ON Increase video gain

- AWC Auto White Balance Control
 Adjusts overall balance

- ATW Auto Tracking White Balance
 Adjusts white balance near
 Sodium or fluorescent lamps



CAM910/CAM920 Camera Specifications

Image Sensor		1/3" CCD Interline Transfer Type	
CCD Total Pixels		~ 470K	
Sync System		Internal	
Minimum Illumination		0.012 Lux F1.2 / 20 IRE AGC on 0.0014 Lux F1.2 / 20 IRE SENS-UP (32x)	
Lens		3.6 mm F2.0 CAM910	3.7 mm F2.0 CAM920
Resolution		540 TV Lines	
White Balance	Mode	ATW / AWC	
	Range	3200 ~ 10000 °	
S/N Ration Typical (Max)		52dB (Min) / 60dB (Typ) (AGC Off)	
Sense-Up		OFF / AUTO (Preset 64x, Max 25x Option)	
Backlight Compensation Function		ON / OFF	
Auto Iris		A.E.S	
Electronic Shutter (A.E.S)		1/50 ~ 1/120,000 sec	
DNR		Built in Digital Noise Reduction	
Gamma Correction		0.45	
Gain Control		AGC On / Off	
Video Output		1.0 v p~p composite video at 75 ohm	
Operation Temperature		-20°C ~ +50°C	
Operational Humidity		Within 85% Relative Humidity	
Power Supply		12v DC ± 1v / 120 mA Recommend POW100 or POW800	

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