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SSC-N21

Compact indoor varifocal lens minidome 650 TVL analogue camera, Super HAD CCD II sensor, iBLC, eDay/Night technologies

The SSC-N21 is a super high resolution analogue mini-dome camera. It gives security-conscious companies the reliable surveillance they need, even within the confines of a strict budget.

The camera offers superb quality images through its analogue-maximum 650 TV lines horizontal resolution and its high sensitivity (Colour: 0.15 lx / B/W: 0.01 lx, F1.2, 50 IRE), achieved by a 1/3-type "EXview HAD CCD II" sensor and Sony's new digital signal processor, "Effio-E".

From its compact body, the SSC-N21 can scan a very wide area with its new three-way hinge and 3.7x variable focal length, offering a horizontal angle of view of 101.8" to 27.4".

The SSC-N21 utilises Sony's latest image technology to enhance scenes to their maximum potential for analysis. Electrical Day/Night capability ensures images are optimised, no matter what time of the day it is. Automatic Tone Reproduction Lite (ATR-Lite) offers good image detail in scenes of variable luminance, whilst i-Back Light Compensation (iBLC) improves detail in images affected by strong light sources. Automatic Tracing White (ATW) balance even adjusts the camera's white balance to adapt to sudden changes in lighting conditions.

Features

Compact and Stylish design

A compact, stylish and discreet design that compliments any surveillance environment.

Super high resolution

With a horizontal resolution of 650 TV lines, the SSC-N21 produces very detailed, sharp images.

3.7x Variable Focal Lens

The SSC-N21 comes equipped with a 3.7x variable focal lens. The focal length is 2.8 ~ 10.5mm, which allows for a wide variety of viewing angle adjustments making the camera suitable for installation in buildings with high ceilings such as airport terminals.

Electrical Day/Night function

This ensures the camera is operating with the optimum sensitivity for both day and night conditions.

ATR-Lite

ATR-Lite (Adaptive Tone Reproduction) improves the ability to resolve detail where both high and low luminance areas exist in the same picture.

iBLC

iBLC (intelligent backlight compensation function) can identify and compensate for areas in the image that are affected by strong light coming from a region in front of the camera e.g. a window. It will adjust exposure to retrieve detail in areas that would otherwise have been under-exposed.

ATW-Pro

ATW-Pro is the advanced version of Sony's white balance system. In ATW-Pro, there is an additional colour temperature reference based on natural colour balance, which avoids errors that can occur with simpler white balance systems.

Easy viewing angle adjustment

Inside the protective dome, the camera has a three-way hinge that allows horizontal, vertical and swivel rotation. This provides a very high degree of flexibility, and allows the camera to be installed on vertical as well as horizontal surfaces.

Technical Specifications

Camera	
Image device	1/3-type "EXview HAD CCD II"
Number of effective pixels (H x V)	approx. 570,000 pixels (976 x 582)
Signal system	PAL standard
Horizontal resolution	650 TV lines
S/N ratio	More than 55 dB(AGC Off)
Minimum illumination	Color: 0.15 lx, B/W: 0.1 lx (F1.2, 50IRE); Color: 0.08 lx, B/W: 0.03 lx (F1.2, 30IRE)
Video output	VBS:1.0Vp-p
Synchronization	Internal/AC line lock selectable
Gain control	Auto (on/off)
White balance	ATW (2000K to10000K), ATW-PRO (2500K to 6000K)
Lens type	Built-in variable focal lens
Zoom ratio	Optical 3.7X
Horizontal viewing angle	99.5 degree to 27.4 degree
Focal length	f=2.8 to 10.5 mm
F Number	F1.2(Wide end), F2.6(Tele end)
Minimum object distance	300 mm
Iris	Auto
Panning range	355 degree
Tilting range	±77 degree
Swivel rotation	350 degree

Camera Features	
Day/Night	Yes (Electrical D/N)
Noise reduction	Yes (2D NR)
Back light compensation	Yes (iBLC)
Automatic tone reproduction	Yes (ATR-Lite)

General	
Mass	320 g (11.3 oz)
Dimensions	121.6 mm x 86.5 mm (4 7/8 x 3 1/2 inches)
Power requirement	AC24 V ±10%, DC12 V ±10%
Power consumption	Max. 1.5 W
Operating temperature	-10°C to +50°C
Storage temperature	-40 °C to +60 °C
Operating humidity	20 % to 80 %
Storage humidity	20 % to 95 %