

Compact Low-light Bullet Cameras



**National
Electronics**

This series of Bullet cameras incorporates a camera, lens, and a built-in multi LED infrared illuminator. This integrated package is enclosed in a rugged powder coated brass housing which is rated for a wide range of environmental conditions.

Both the colour and B&W cameras incorporate 20 long range 840nm infrared LED's for effective coverage up to 40 feet. The infrared illuminator has an auto on/off sensor for low light conditions along with a day/night feature for the colour camera model. These cameras are easy to install with the supplied adjustable bracket and are ideal for any covert surveillance system or any applications requiring superior performance under low light conditions.

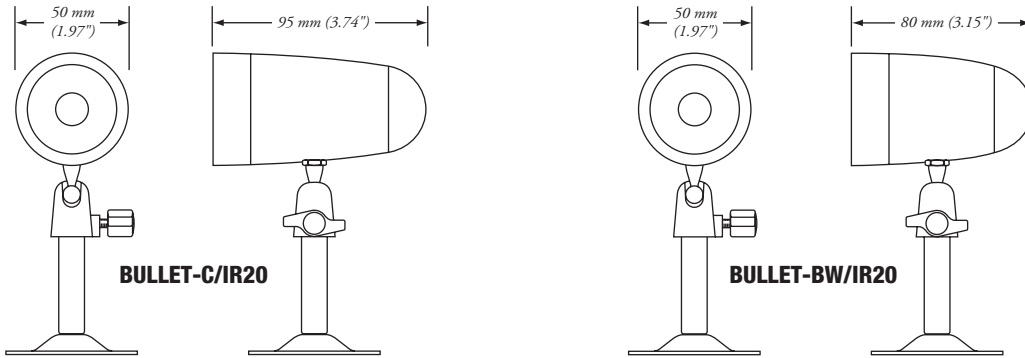
Features

- *Integrated enclosure with camera, lens and infrared illuminator*
- *Rugged weather proof enclosure*
- *Rated for underwater use, up to 50ft*
- *B&W 1/3" CCD with 420 lines*
- *Colour 1/3" CCD with 380 lines*
- *Automatic LED on/off sensing*
- *12 VDC power with built-in polarity protection*
- *Electronic iris operation*
- *Adjustable mount*
- *6 ft cable for video/power connection*

BULLET-C/IR20 Compact Low-light Bullet Cameras

BULLET-BW/IR20

Technical Specifications



	BULLET-C/IR20	BULLET-BW/IR20
IMAGE SENSOR	.1/3" DSP Colour CCD	.1/3" Black & White CCD
EFFECTIVE PIXELS	NTSC : 512(H) x 492(V)	EIA: 510(H) x 492(V)
H. RESOLUTION	380 TV lines	420 TV lines
SYNCHRONIZING SYSTEM	Internal	Internal
SCANNING SYSTEM	NTSC 525 lines	NTSC 525 lines
VIDEO OUTPUT	1.0Vp-p composite 75 Ohms	1.0Vp-p composite 75 Ohms
S/N RATIO	More than 50 dB (AGC Off)	More than 50 dB (AGC Off)
MIN. ILLUMINATION	Near 0 lux up to 40ft.	Near 0 lux up to 40ft.
BLC	Automatic	Automatic
SHUTTER SPEED	NTSC : 1/60 1/100,000 sec	NTSC : 1/60 1/100,000 sec
GAMMA CORRECTION	r=0.45	r=0.45
WHITE BALANCE	Auto 2100' K - 8200' K	N/A
GAIN CONTROL	8dB~30dB Auto	4dB~30dB Auto
SMEAR EFFECT	0.005%	0.005%
MTBF	80,000 hours	80,000 hours
POWER SOURCE	DC12V (Tolerance:9V~15V)	DC12V (Tolerance:9V~15V)
LED ON/OFF	Automatically ON/OFF detection	Automatically ON/OFF detection
OPERATING CURRENT	.190mA with LED on, 100mA with LED off	.190mA with LED on, 100mA with LED off
LENS STANDARD	3.6mm	3.6mm
OPERATING TEMPERATURE	14 F~122 F (-10 C~ + 50 C)	14 F~122 F (-10 C~ + 50 C)
HUMIDITY	Within 90% RH	Within 90% RH
CABLE LENGTH (VIDEO/POWER)	.6 feet (1.8 metres)	.6 feet (1.8 metres)
VIDEO CONNECTOR	RCA Female	RCA Female
POWER CONNECTOR	Barrel Type, Male	Barrel Type, Male
WEIGHT (APPROX.G)	500	450

Related Components

Colour Cameras

High Performance Monitors

NL209	.9" Colour
NL214C	.14" Colour
NL221	.21" Colour
NE-LCD15	.15" LCD
NE-LCD17	.17" LCD
NE-LCD20	.20" LCD

Switchers, Quads and Multiplexers

NLS4LA	.4 camera sequential switcher
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B&W Cameras

High Performance Monitors

M910	.9" B&W
M1210	.12" B&W
M1410	.14" B&W
M1710	.17" B&W
M2010	.20" B&W

Switchers and Quads

NLMQ4A	.4 camera B&W real-time quad
NLS4LA	.4 camera sequential switcher

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