

BLA1-CC-N Color Camera Module (NTSC format)	
Order Number	BLA1-CC-N

The BLA1-CC-N camera module provides an NTSC video signal of 512 (H) x 492 (V) effective pixels with electronic shutter speeds from 1/60 second to 1/100000 second.

BLA1-CC-P Color Camera Module (PAL format)	
Order Number	BLA1-CC-P

The BLA1-CC-P camera module provides a PAL video signal of 512 (H) x 582 (V) effective pixels with electronic shutter speeds from 1/50 second to 1/100000 second.

Blue Line A1-CC Color Camera Modules



The BLA1-CC color camera modules attach to the Blue Line detectors. These camera modules, available in either NTSC or PAL formats, are small, easy-to-mount, and attractive. The camera can be set to run continuously or to run for either 15 seconds or 90 seconds when triggered by the detector alarm.

Series Features

- Color charge-coupled device (CCD) camera with 3.4 lx light sensitivity
- NTSC or PAL video format
- 330 lines of horizontal resolution
- The camera may be left on or controlled by the detector alarm
- Selectable (Form A or Form B) alarm relay outputs
- Includes video cable with BNC (Bayonet Neill-Concelman) connector

Series Listings, Certifications, and Approvals

Country	Certification/Listing Number
Canada	IC (RSS-210)
Europe	CE
US	ANSR: Intrusion Detection Devices (UL639) FCC (Part 15)

Bosch Security Systems
130 Perinton Parkway
Fairport NY 14450
USA

For more information, visit:
www.boschsecuritysystems.com



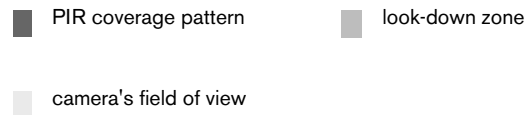
Series Application Information

Camera View

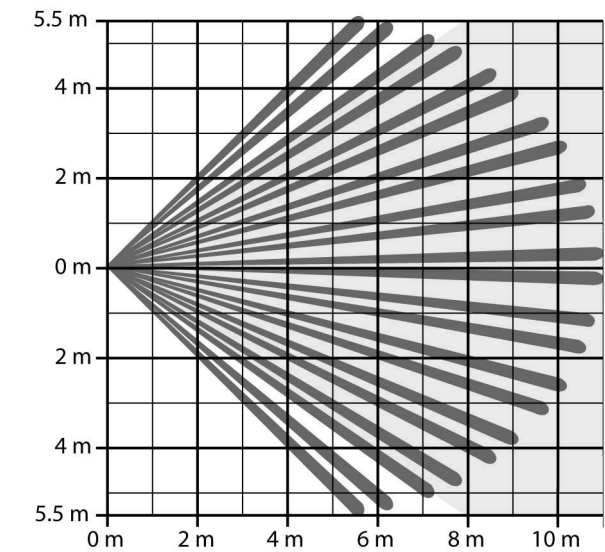
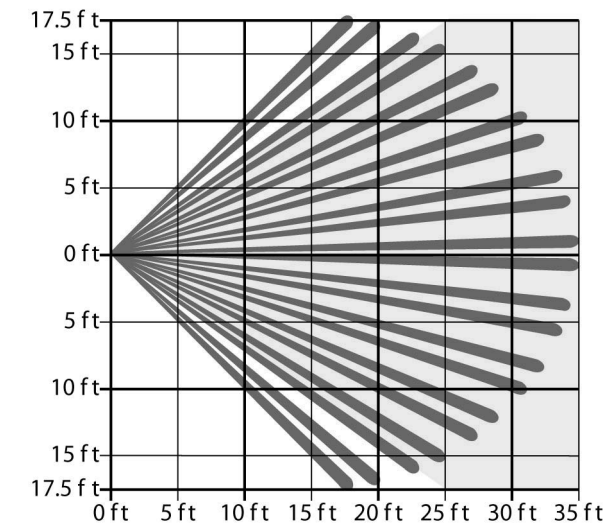
The camera's viewable area is shown below:

Note: The camera's field of view varies depending on the size of the detector on which it is mounted and the height at which it is installed. The passive-infrared (PIR) coverage patterns and look-down zone shown are for reference only.

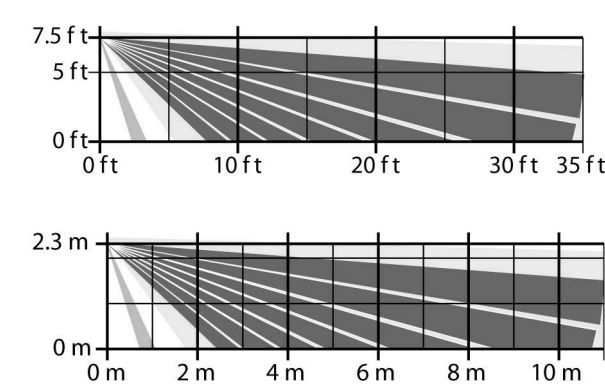
Field-of-view legend



Top View



Side View



Power Considerations

Power Limits

Input power must be provided by an Approved Limited Power Source. All outputs must be connected to SELV (Safety Extra-Low Voltage) circuits only.

Standby Power

This detector has no internal standby battery. *For UL Listed product installations, 4 hr (20 mAh with camera off, 400 mAh with camera on) of standby power must be supplied by the control unit or by a UL Listed burglary power supply.*

Video Connection

A video cable with a BNC connector at one end is supplied. Connect this cable to up to 500 ft (152 m) of 75 Ω RG59/U or similar coaxial cable.

Series Technical Specifications

BLA1-CC Series Specifications	
Enclosure Design	
Color:	white
Dimensions (HxWxD):	2.2 in. x 2.4 in. x 1.9 in. (5.6 cm x 6.1 cm x 4.8 cm)
Material:	High-impact ABS plastic
Environmental Considerations	
Relative Humidity:	0 to 95%, noncondensing
Operating Temperature:	+14°F to +120°F (-10°C to +49°C) <i>For UL Listed product installations,</i> <i>+32°F to +120°F (0°C to +49°C)</i>
Input	
Alarm:	5 V normally from sensor digital alarm output, ground for 4 seconds during alarm.
Outputs	
Relay Timer:	Selectable latch time of 15 s or 90 s.
Timed Relay:	Solid state, selectable supervised Form A normally-closed (NC) or unsuper-vised Form B normally-open (NO) con-tacts rated for 125 mA at 28 VDC, 3 W.
Tamper:	Normally-closed (NC) contacts (with cover on) rated at 28 VDC, 125 mA maximum. Connect to detector tamper circuit.
Power Requirements	
Current (Alarm):	100 mA when camera is on.
Current (Standby):	5 mA maximum at 12 VDC
Voltage (Operating):	10 VDC to 14 VDC
Radio Frequency Interference (RFI) Immunity:	No alarm or setup on critical frequen-cies in the range from 26 MHz to 2000 MHz at 30 v/m.
Video	
CCD:	1/3-inch (8.5 mm) color with an elec-tronic shutter
Lens:	3.6 mm fixed focal length lens
Resolution (horizontal):	330 lines minimum at center of picture
Scanning System:	2:1 interlaced
Sensitivity:	<3.4 lx
Signal:	75 Ω (NTSC or PAL)
Signal to Noise Ratio:	45 dB minimum