

## Select AHD Shutter Cameras

### Camera Monitor Systems

Camera Monitor Systems often contend with exposure to unpredictable elements, leaving them susceptible to dust, dirt and mud.

Essential for clear vision and safe operation, cameras frequently become obscured which hinders their effectiveness. To ensure optimal performance and safety, it is recommended to have a shutter mechanism in place to further protect the camera.

Brigade's AHD Select Shutter Cameras offer protection from the elements by remaining closed until it is needed, protecting the camera from debris when it is not in use. As soon as the reverse gear is engaged, the shutter opens providing the driver with a clear, clean view of what is behind the vehicle. When the reverse gear is disengaged the shutter closes.

The Shutter Camera features a built-in heating element to prevent ice and snow buildup.

- Shutter mechanism keeps the camera clean when not in use
- Heating element used for extreme weather conditions to ensure a clear view
- Microphone allows audio to play on the monitor
- Built-in LEDs provide clear, high-quality images even in low-light conditions
- Brigade Select range connectors
- Compatible with all Brigade HD monitors and MDR recorders

## Select AHD Shutter Camera



### About us

Brigade Electronics is a market leader of safety devices, with solutions to suit all commercial vehicles and mobile plant. Our complementary range of safety devices help prevent collisions by assisting the driver whilst protecting workers, pedestrians and cyclists.

# Select AHD Shutter Camera

Model Number: VBV-7110C | Part Number: 8034



**IP Rating**  
IP69K Camera



**Voltage**  
12Vdc



**Size (WxDxH) Camera**  
122 x 85 x 76mm



**Warranty**  
3 years



**Operating Temperature**  
-30° to +80°C



**Viewing Angle**  
108°(H) x 58°(V) x 123°(D)



**Weight**  
605g



**Vibration Rating**  
8.5G

## Contents:

- 1 x VBV-71XC-CXXX – Camera
- 1 x VBV-71XC-BKT – Bracket
- 1 x VBV-71XC-SS – Sunshield
- 1 x VBV-71XC-FIX – Fixing Pack
- 1 x VBV-71XC-IG – Installation Guide

## Features:

- Back Light Compensation
- Automatic White Balance
- Fixed IRIS
- 4x High Power Infrared LEDs
- Integrated Day/Night Sensor
- Integrated Microphone
- Integrated Heater
- VBV 4 Pin Type Connector
- High Quality CMOS

## Environmental Specifications:

- Shock Rating: 51G
- Vibration Rating: 8.5G
- Camera IP Rating: IP69K
- Connector IP Rating: IP67
- Operating Temperature: -30° to +80°C
- Storage Temperature: -40° to +85°C

## Approved Standards:

- RoHS
- WEEE
- Ingress Protection - Camera housing: IP69K, IP68
- (ISO 20653:2013)
- Connector: IP67 (ISO 20653:2013)
- CE - 2014/30/EU (EN 61000-6-2:2019 / EN 61000-6-3:2021+ A1:2011 + AC:2012)
- FCC - (CFR 47 Part 15 Sub Part B)
- IC - (ICES-003 Issue 7)
- E-Mark - UNECE Regulation 10 Revision 6

## Technical Specifications:

- Operating Voltage: 12 Vdc
- Current Consumption: 410mA @ 12 Vdc
- Power Consumption: 4.6 Watts @ 12 Vdc
- Imaging Devices: 1/2.9" Galaxycore
- TV System:
  - VBV-7110C - 25fps AHD 2.0 1080p
  - VBV-7111C - 30fps AHD 2.0 1080p
  - VBV-7110C (W) - 25fps AHD 2.0 1080p
  - VBV-7111C (W) - 30fps AHD 2.0 1080p
- Picture Elements: 1920 (H) x 1080 (V)
- Visual Resolution: 900 TV Lines
- Lens Focal Length: 2.8mm
- Signal to Noise Ratio: 48dB
- Required Illumination: 0 Lux (IR LED ON)
- Illumination Distance: 10 Metres
- Viewing Angle: VBV-7110C & VBV-VBV-7111C - 108° (H) / 58° (V) / 123° (D)
- VBV-7110C(W) & VBV-7111C(W) - 168° (H) / 93° (V) / 192° (D)
- Weight: 605 Grams
- Video Output: 1.0 Vp-p / 75Ω
- Length of Cable: 950 ± 50mm
- Overall Dimensions:
  - 122mm (W) x 85mm (D) x 76mm (H)
  - Casing Material: Aluminium Alloy
  - View: Mirror / Normal Selectable
  - Finish: Black Powder Coating



Visit our website [brigade-electronics.com](https://brigade-electronics.com) or scan the QR code for more information, individual specifications and to view our full range of safety solutions.

