

CCTV Systems

- High-definition, high contrast and wide viewing angle.
- AHD and CVBS compatible.
- Colour LCD with anti-reflective coating.
- Auto-dimming backlight.
- Integrated speaker.
- Electronic distance markers.
- Mirror or normal views.
- Auto on when reverse gear selected.
- Capacitive touch buttons.
- Detachable sun visor.
- Multi-voltage.
- 3 Year warranty.



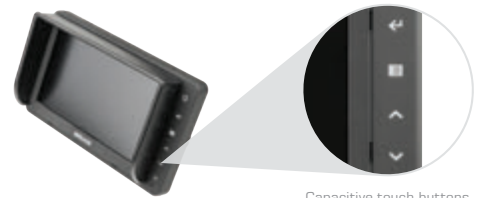
Backeye Select Monitor – AHD

Voltage : 12–24V
Current Draw : 0.8A
Video Signal : NTSC & PAL
Audio : Integrated Speaker / Headphone Jack
Shock : 50G
Vibration : 4G
Operating Temperature : -30°C to 70°C
Approvals : CE, ECE R10, RoHS

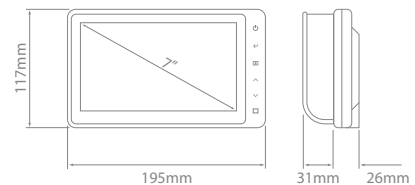


High Definition

Analogue High Definition (AHD) provides high definition images far superior to Standard Definition and without the image latency caused by digital systems.



Capacitive touch buttons



Backeye Select Monitor – AHD

Part No.	Screen Size	Screen Resolution	Contrast Ratio	Max Brightness	Camera Input	Triggered Activation
VBV-770HM	7"	1024 x 600	700:1	500cd/m ²	3	3

Supplied with Detachable Sun Visor & Adjustable Mount.



Backeye Select Cameras – AHD

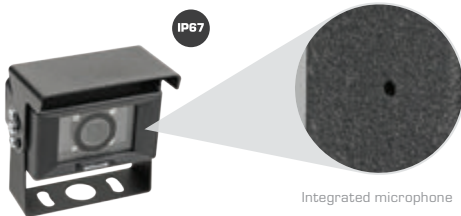


VBV-7101C



- AHD – 1080p.
- Available in PAL and NTSC models.
- Infrared LEDs for ultra-low light performance.
- Day/Night sensor.
- Mirror view.
- Wide angle view.
- Backlight compensation.
- Auto white balance.
- Integrated microphone on VBV-7100C & VBV-7101C.
- Vibration resistant rugged construction.
- Environmentally sealed.
- 3 year warranty.

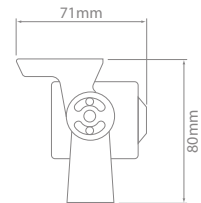
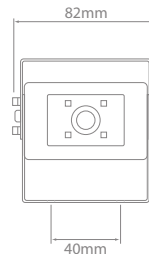
Voltage : 12V (supplied via monitor)
Frames Per Second : PAL 25
 NTSC 30
Image Sensor : 1/3" Sony® CMOS & Nextchip ISP
Minimum Illumination : 0lx
Body : Aluminium
Vibration : 8.5G
Ingress Protection : VBV-7100C, VBV7101C IP67
 VBV-7190C, VBV-7191C IP69K
Approvals : CE, ECE R10, RoHS
Operating Temperature : -30°C to 80°C



VBV-7100C, VBV-7101C



VBV-7190C, VBV-7191C



Backeye Select Cameras – AHD 1080p – PAL

Part No.	Field of View	TV Lines	Microphone	IP Rating	Illumination Distance (m)
VBV-7100C	110° Hor. 60° Vert.	800	Yes	IP67	10
VBV-7190C			No	IP69K	

Backeye Select Cameras – AHD 1080p – NTSC

Part No.	Field of View	TV Lines	Microphone	IP Rating	Illumination Distance (m)
VBV-7101C	110° Hor. 60° Vert.	800	Yes	IP67	10
VBV-7191C			No	IP69K	

Backeye Select Cameras – AHD – Cables

Description	2.5m	5m	10m	20m
AHD cable	VBV-H4025	VBV-H405	VBV-H410	VBV-H420



CCTV Systems

- 360° real-time video output.
- Analogue High Definition.
- Eliminates blind spots.
- Comprehensive view of the surrounding areas in a single image.
- 15 viewing modes including portrait, front/rear focus and lane changing.
- On-screen distance markers on rear view.
- Configurable viewing distance to suit different applications.
- Multi-voltage.
- Compatible with Brigade Mobile Digital Recorders* (Recording 360° image only).
- 5 year warranty.



Backeye 360 System – AHD



Voltage :	12–24V
Current Draw :	1.22A
Video System :	AHD 1.0 & NTSC
Max. Camera Inputs :	4
Camera Field of View :	182° Hor. 118° Vert.
Frame Per Second :	30
Max. Combined Resolution :	1280 x 720
Video Outputs :	2
Trigger Inputs :	4
Vibration :	8.5G
EMC :	CE & 'e' marked
Operating Temperature :	-30°C to 75°C
Ingress Protection :	Camera IP69K

* When used with the MDR, output image is only available in SD.



Backeye 360 Systems are required to be installed & calibrated by an IONNIC trained technician.

Split Screen View

The Backeye 360 System can show 2 images on screen at the same time.

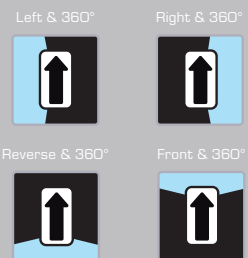
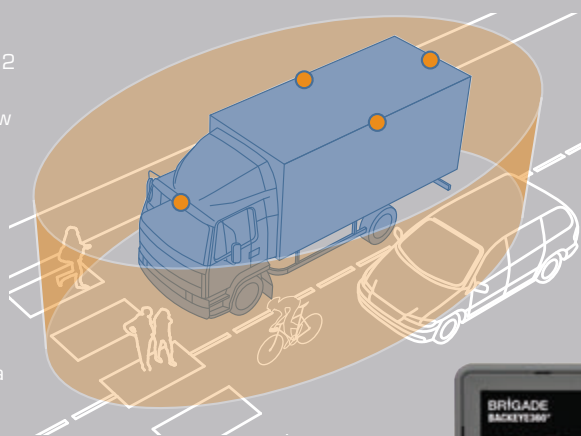
The first is the remarkable 360° view surrounding the vehicle while the second is a view from an individual camera.

This secondary view is controlled by trigger inputs and can be used to show a side camera when the vehicle turn signal is activated and also to the rear when reverse gear is engaged.

On screen icons show which camera is currently being displayed.

The operator also has the option to manually select which camera is being displayed via the dash mounted remote.

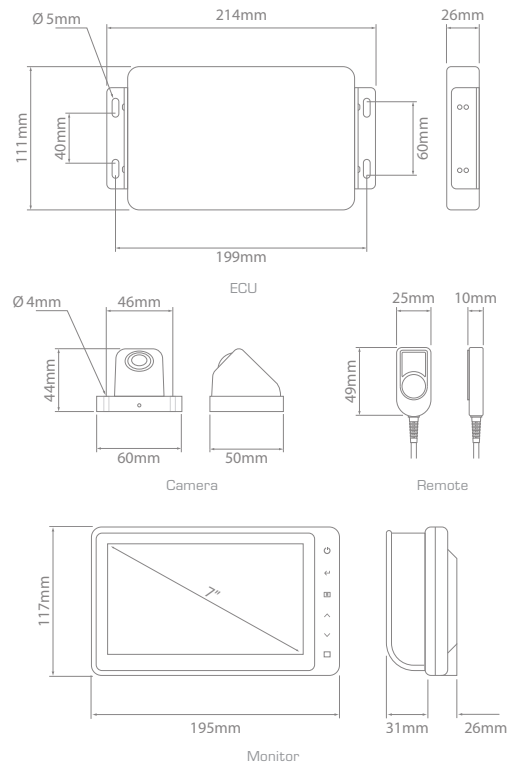
At all times, the 360° view remains on screen.



Reverse & 360° View



CCTV Systems



Backeye 360 System – AHD – Kit

Part No.	Description
BN-770HD-300	4 camera, ECU & 7" Monitor kit

Kit contains:

1 x AHD 7" monitor	1 x Cable – 20m ECU to camera
1 x ECU unit	2 x Cable – 15m ECU to camera
4 x AHD wide angle camera	1 x Cable – 10m ECU to camera
1 x Remote	1 x Cable – 5m ECU to monitor



BN-360-300



BN360-H3XX



VBV-H405



VBV-770HM

Backeye 360 System – AHD – Accessories

Part No.	Description
BN-360-300	360 ECU & 4 x AHD wide angle camera
BN360-H305	Cable – 5m ECU to camera
BN360-H310	Cable – 10m ECU to camera
BN360-H315	Cable – 15m ECU to camera
BN360-H320	Cable – 20m ECU to camera
VBV-H405	Cable – 5m ECU to Monitor
VBV-770HM	Monitor – Backeye Select AHD 7"
BN360-CAL-MAT	Calibration mat, 4 required
BN360-CT-01	Calibration tool, included SD card