



## Analogue 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

All AHD Backeye Select Monitors feature capacitive touch buttons. The advantage of capacitive touch buttons versus traditional physical buttons are:

- No moving parts or mechanical components – improved reliability, durability and better ingress protection.
- Thin footprint for sleek, elegant, flexible and compact design.
- Prevent false triggers – only detect conductive contact.
- LED backlight integration.
- Flat surface makes cleaning easier.





## CCTV Systems – AHD

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# CCTV Systems - AHD

Backeye 360 System - AHD

**NEW**

**AHD**



- 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.

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

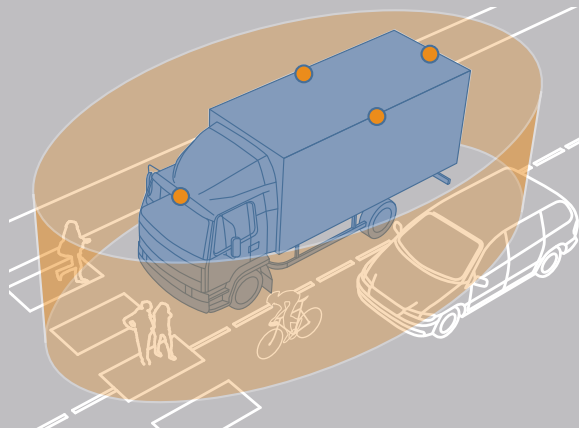
The Backeye 360 System can show 2 images on screen at the same time.

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.



[Watch video](#)

# CCTV Systems - AHD



## Backeye 360 System – AHD – Kit NEW

Part No.	Description	Max. Combined Resolution
<b>BN-770HD-300</b>	4 camera kit with 7" Monitor	1280 x 720

When used with MDR, output image is only available in SD, and only 360° image is recorded.

Kit Contents:  
 1 x ECU Unit  
 4 x AHD Wide Angle Camera  
 1 x AHD 7" Monitor  
 1 x Cable – 20m ECU to Camera  
 2 x Cable – 15m ECU to Camera  
 1 x Cable – 10m ECU to Camera  
 1 x Cable – 5m ECU to Monitor  
 1 x View Select Controller



## Backeye 360 System – AHD – Components & Accessories NEW

Part No.	Description
<b>BN-360-300</b>	Backeye 360 ECU & 4 x AHD wide angle camera
<b>BN360-H305</b>	Cable – 5m ECU to camera
<b>BN360-H310</b>	Cable – 10m ECU to camera
<b>BN360-H315</b>	Cable – 15m ECU to camera
<b>BN360-H320</b>	Cable – 20m ECU to camera
<b>VBV-H405</b>	Cable – 5m ECU to monitor
<b>VBV-770HM</b>	Monitor – Backeye Select AHD 7"
<b>BN360-1000C</b>	Backeye 360 AHD camera internal with 1m lead
<b>BN360-1000C-H1</b>	Backeye 360 AHD camera housing
<b>BN360-CAL-MAT</b>	Calibration mat, 4 required
<b>BN360-CT-01</b>	Calibration tool, SD card included





# CCTV Systems - AHD

Backeye Select Monitors - AHD

**NEW**

**AHD**

VBV-7104FM



VBV-770HM



- 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.

<b>Voltage :</b>		12-24V
<b>Current Draw :</b>	VBV7104FM	2.6A
	VBV-770HM	0.8A
<b>Video Signal :</b>	NTSC, PAL, AHD 1.0 & AHD 2.0	
<b>Audio :</b>	Integrated Speaker / Headphone Jack	
<b>Max Brightness :</b>	500cd/m <sup>2</sup>	
<b>Shock :</b>	50G	
<b>Vibration :</b>	4G	
<b>Operating Temperature :</b>	-30°C to 70°C	
<b>Approvals :</b>	CE, ECE R10, RoHS	

## High Definition

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# CCTV Systems - AHD



## Backeye Select Monitors - AHD - 10.4" NEW

Part No.	Screen Size	Screen Resolution	Contrast Ratio	Camera Inputs	Triggered Activation	Split Screen
<b>VBV-7104FM</b>	10.4"	1024 x 768	900:1	4	5	2, 3 & 4

Supplied with detachable sun visor & adjustable mount.



## Backeye Select Monitors - AHD - 7" NEW

Part No.	Screen Size	Screen Resolution	Contrast Ratio	Camera Inputs	Triggered Activation	Split Screen
<b>VBV-770HM</b>	7"	1024 x 600	700:1	3	3	—

Supplied with detachable sun visor & adjustable mount.



# CCTV Systems - AHD

Backeye Select Cameras - AHD

**NEW**

**AHD**  
1080p



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.

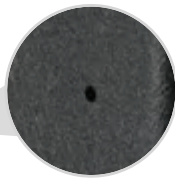
**Voltage :** 12V (supplied via monitor)  
**Image Sensor :** 1/3" Sony® CMOS & Nextchip ISP  
**Minimum Illumination :** 0lx  
**Body :** Aluminium  
**Vibration :** 8.5G  
**Approvals :** CE, ECE R10, RoHS  
**Operating Temperature :** -30°C to 80°C



IP67



VBV-7100C, VBV-7101C

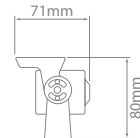
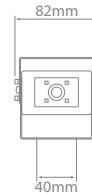


Integrated microphone

IP69K



VBV-7190C, VBV-7191C



## Backeye Select Cameras - AHD 1080p NEW

Part No.	Format	Field of View	TV Lines	Frames per Sec.	Microphone	IP Rating	Illumination Distance (m)
VBV-7100C	PAL	110° Hor. 60° Vert.	800	25	Yes	IP67	10
VBV-7190C					—	IP69K	
VBV-7101C	NTSC	110° Hor. 60° Vert.	800	30	Yes	IP67	10
VBV-7191C					—	IP69K	

# CCTV Systems - AHD



## Backeye Select Cameras - AHD - Cables NEW

Description	2.5m	5m	10m	20m
AHD cable	<b>VBV-H4025</b>	<b>VBV-H405</b>	<b>VBV-H410</b>	<b>VBV-H420</b>

