



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.





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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.

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

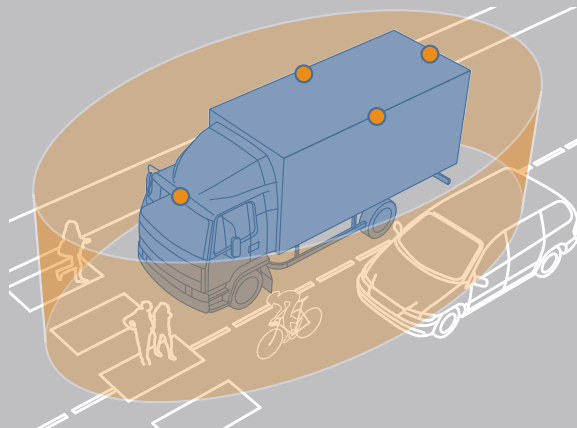
The Backeye 360 System can show 2 images on screen at the same time.

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.



[Watch video](#)

CCTV Systems - AHD



Backeye 360 System – AHD – Kit NEW

Part No.	Description	Max. Combined Resolution
BN-770HD-300	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
BN-360-300	Backeye 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"
BN360-1000C	Backeye 360 AHD camera internal with 1m lead
BN360-1000C-H1	Backeye 360 AHD camera housing
BN360-CAL-MAT	Calibration mat, 4 required
BN360-CT-01	Calibration tool, SD card included



CCTV Systems - AHD

Backeye Select Monitors - AHD

NEW

AHD



VBV-7104FM

VBV-770HM

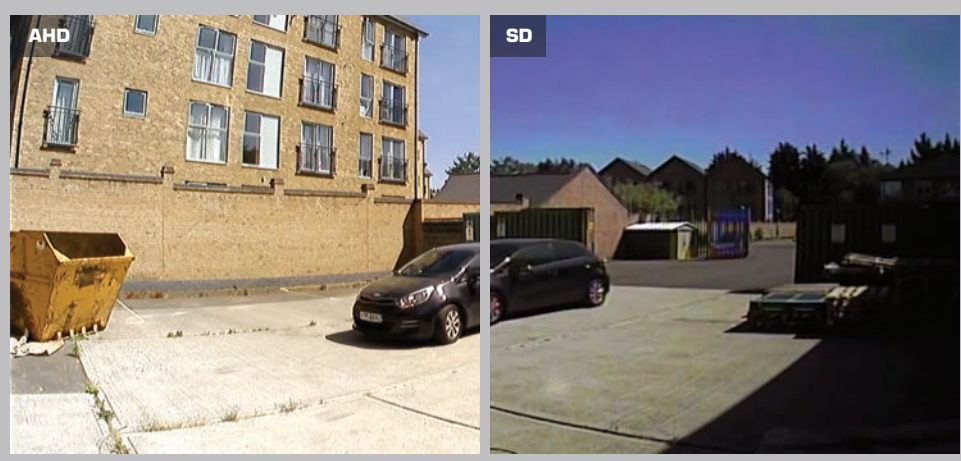


- High-definition, high contrast and wide viewing angle.
- AHD and CVBS compatible.
- Colour LCD with anti-reflective coating.
- Auto-dimming backlight.
- Integrated speaker.
- Electronic distance markers.
- Mirror or normal views.
- Auto on when reverse gear selected.
- Capacitive touch buttons.
- Detachable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

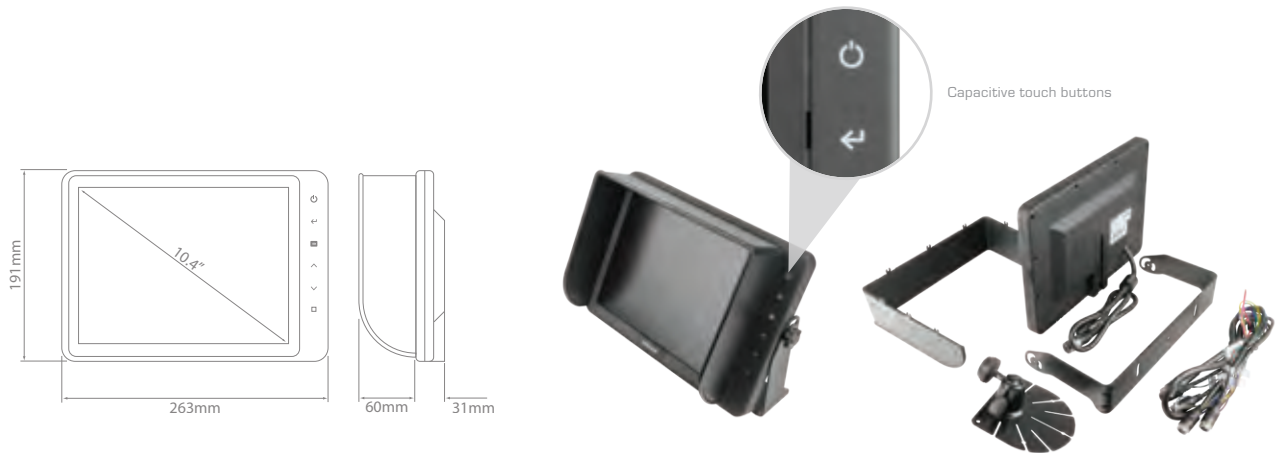
Voltage :		12-24V
Current Draw :	VBV7104FM	2.6A
	VBV-770HM	0.8A
Video Signal :	NTSC, PAL, AHD 1.0 & AHD 2.0	
Audio :	Integrated Speaker / Headphone Jack	
Max Brightness :	500cd/m ²	
Shock :	50G	
Vibration :	4G	
Operating Temperature :	-30°C to 70°C	
Approvals :	CE, ECE R10, RoHS	

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
VBV-7104FM	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
VBV-770HM	7"	1024 x 600	700:1	3	3	—

Supplied with detachable sun visor & adjustable mount.



CCTV Systems - AHD

Backeye Select Cameras - AHD

NEW

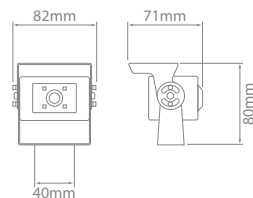
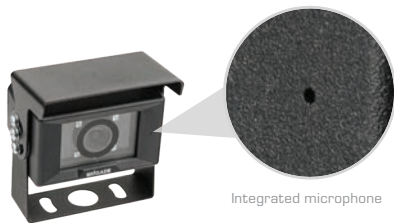
AHD
1080p



- 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.
- Vibration resistant rugged construction.
- Environmentally sealed - IP67.
- 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



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	IP69K	10
VBV-7101C	NTSC	110° Hor. 60° Vert.	800	30	Yes	IP69K	10

CCTV Systems - AHD



Backeye Select Cameras - AHD - Cables NEW

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

