

Brigade

You're safer with us

VC-1100 (8199) Installation Guide

Please read this manual thoroughly before operating the device and keep it for future reference.

V1.1



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1 Precautions

Operator Responsibilities

When driving or manoeuvring, the vehicle operator remains completely responsible for:

1. Making all assessments and decisions for safe operation
2. Maintaining continuous attention to surroundings
3. Taking every normal precaution when conducting manoeuvres
4. Obeying all traffic rules and local regulations
5. Using training, judgment, and other safety aids (such as mirrors)

The presence of this system does not reduce or remove the operator's responsibility to operate the vehicle or machine in a safe, fully attentive and lawful manner.

The manufacturer accepts no liability for any injury, damage, or loss arising from.

1. Negligent operation of the system;
2. Misuse or incorrect installation of the system;

Storage and Operation

1. Storage temperature: -40~+85°C, operating temperature: -40~+85°C
2. Avoid dropping or striking this device.
3. Never use sharp tools, scratch, or use abrasive cleaning material as this may damage the housing on this device.
4. Do not place external wiring material where they may be pinched or stepped on.

1 Precautions Continued

Operating Precautions

1. Working voltage: 12-24V DC. Using the incorrect voltage may cause the device to be damaged permanently.
2. Make sure all cables are connected properly.
3. Must be fused when used with equipment other than a Brigade monitor.
4. Ensure connectors are correctly keyed before connection.
5. Connecting the unit while powered and incorrectly keyed may cause permanent damage to the converter.
6. Image quality may vary with lighting conditions when used with Elite cameras.
7. Adjust monitor brightness and contrast as required. Brightness 70 and Contrast 70 are recommended starting points.
8. Monitor settings affect the display only and do not affect MDR recordings.



Warning

1. Excessive working voltage will damage the equipment.
2. If a monitor is used, please only use when necessary to minimise distraction while driving
3. Never try to disassemble this device without professional assistance



Caution

Never try to repair this device by yourself. In case of any problems, please turn off the device at once and notify our company or authorised dealer.

The device is a complex device. Any disassembly or modification may lead to damage and void the warranty.

1 Precautions Continued

Maintenance

	Caution	
	Risk of electric shock Do not open	
Caution: to reduce the risk of electric shock, Do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.		



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



This symbol is intended to alert the user not to dispose of electrical and electronic equipment.



CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty and necessitate expensive repairs.

2 Product Overview

The converter allows an AHD camera to be connected to a CVBS monitor or recording device. The unit is plug-and-play and requires no software configuration.

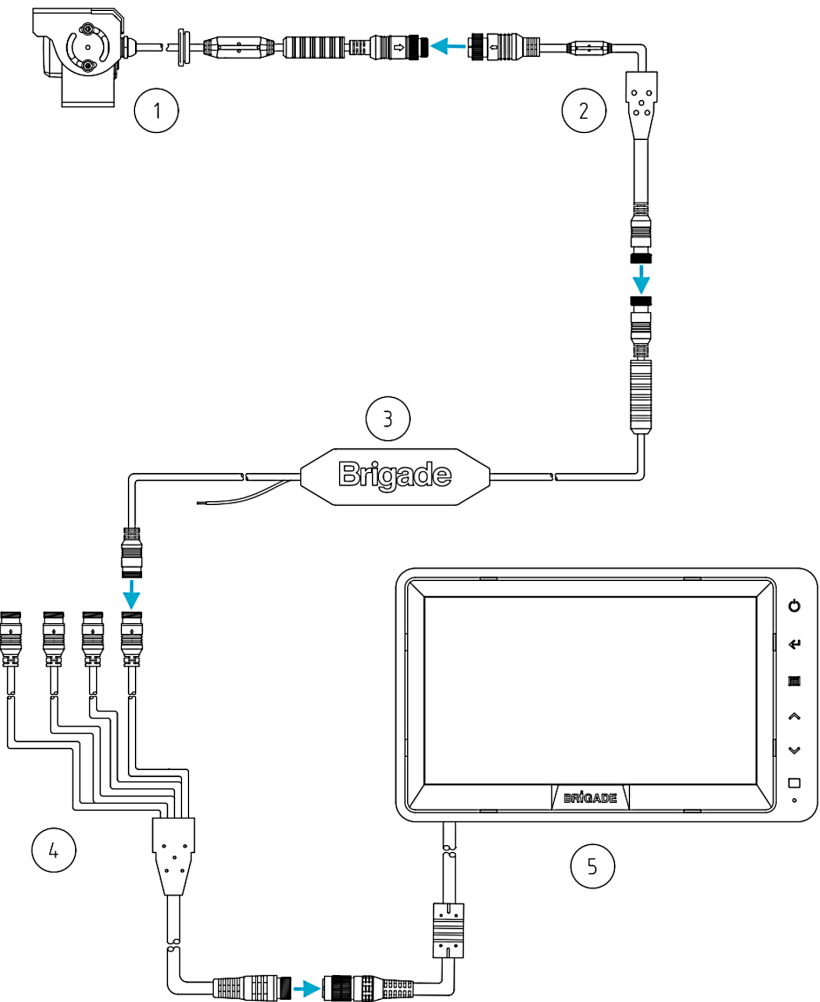
3 Installation

- Connect the 4pin AHD camera output to the 4pin AHD input (Male) on the converter.
- Connect 4pin CVBS output on the converter to a CVBS monitor.
- Power on the monitor.
- Video signal should display on monitor.
- Connect black wire to a grounding point for NTSC (Isolate if not in use).

3 Installation Continued

Connection Diagram

Description	Model	Included
1 Camera	Brigade AHD Camera	No
2 Camera Extension Cable	XX	No
3 Video Converter	VC-1100 (8199)	Yes
4 Monitor Extension Cable	XX	No
5 CVBS Monitor	Brigade CVBS Monitor	No



3 Installation Continued

Troubleshooting

The symptoms described below do not necessarily mean a failure within the camera. Please check the following items before you initiate a request for support.

Issue	Possible Cause	Solution
No Power	Power supply not connected	Check power connection
No video output	Incorrect cable connection	Verify cable connections
Distorted or unstable image	Signal compatibility issue	Confirm monitor supports CVBS input
No camera image	Camera not powered	Check camera connection
No camera image	PAL black wire not grounded when using a PAL compatible monitor	Ground black wire

4 Technical Support

For more technical tips scan the QR code



For additional Technical support please contact:
technical@brigade-electronics.com

5 Disposal and Compliance

Dispose of this product in accordance with your local electronic waste regulations.

Disclaimer

Our products are supplied to serve as situational awareness and/or warning systems and thus as aids to safety. They DO NOT replace the operator's and/or driver's obligation to ensure the safety of the vehicle or machine, the proper and safe operation of the vehicle or machine and nor do they replace your obligations to ensure the safety and suitability of the vehicle or machine.

Please visit the support section of our website to find more information regarding Brigade Warranties:

<https://brigade-electronics.com/warranties/>

Specifications subject to change.