# 7" Heavy Duty Reverse Camera Kit
#QVCMN7HD

www.qvee.com.au

## DESCRIPTION

The QVCMN7HD is a high quality HD reverse camera kit.

The camera used is a QVCM86HD heavy duty HD reverse camera with 15m of infrared night vision. The monitor is a QVMN27HD high quality 7" colour LCD digital monitor with 3 HD channels.

This kit also comes with 15 meter extension lead cable (QVCML15MHD).

## FEATURES

- TFT LCD monitor with wide angle view and high resolution display.
- Multiple language for easy user navigation
- Supports 1080P / 720P / PAL / NTSC / AUTO video formats
- Night vision distance of up to 15m (4 infrared lights)
- 130° camera viewing angle
- IP69K dust & water protection camera
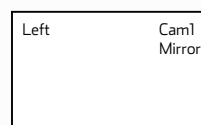- Up to 3 AV inputs, switchable via button or remote control

**Comprises:**

- 1 x 7" colour LCD monitor
- 1 x Colour HD reverse camera
- 1 x Centre / U-support mounting bracket
- 1 x Remote control
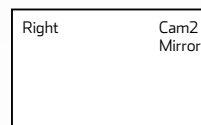- 1 x 15m extension lead cable
- 1 x Sun shield & fixing screws

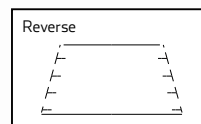**1 YEAR WARRANTY**

## WIRING DIAGRAM

| Wire Colour | Description |
|---|---|
| **White - Cam 1** | • White 4 pin male for camera 1 - left indicator |
| **Blue - Cam 2** | • Blue 4 pin male for camera 2 - right indicator |
| **Brown - Cam 3** | • Brown 4 pin male for camera 3 - reverse |
| **Red Wire** | • Single core red wire - connect to power supply (+) |
| **Black Wire** | • Single core black wire - connect to power supply (+) |
| **White Wire** | • Single core white wire - connect to left indicator light |
| **Blue Wire** | • Single core blue wire - connect to right indicator light |
| **Brown Wire** | • Single core brown wire - connect to reverse light |

Left      Cam1 Mirror

Connecting the white wire will allow the monitor to automatically switch towards the left camera view when a signal is active.

Right      Cam2 Mirror

Connecting the blue wire will allow the monitor to automatically switch towards the right camera view when a signal is active.

Reverse

Connecting the brown wire will allow the monitor to automatically switch towards the reverse camera view when a signal is active.

Mirroring the camera (horizontal / vertical flip) are adjusted via the use of the remote or monitor button.

Black 13 pin: Monitor

White 4 pin: Cam 1
Blue 4 pin: Cam 2
Brown 4 pin: Cam 3
Red: Power Supply (+)
Black: Ground (-)
White: Left indicator
Blue: Right indicator
Brown: Reverse light

## CAMERA SPECIFICATIONS   #QVCM86HD

| | | | |
|---|---|---|---|
| **Image Device** | • 1/2.9" CMOS (IMX323) | **Dynamic Range** | • 81dB |
| **Frame Rate** | • 25 / 30 fps | **White Balance** | • Auto |
| **Effective Pixel** | • 1920 (H) x 1080 (V) pixels | **Electronic Shutter** | • 1/30 (1/25) — 1/50,000 Sec |
| **Pixel Pitch** | • 2.9 µm x 2.9 µm | **BLC** | • Auto |
| **Scanning System** | • Progressive Scanning | **Current Consumption** | • Max. 220 mA |
| **Sync. System** | • Internal | **Power Supply** | • DC 12 Volt |
| **Resolution** | • 1080P | **Connection** | • 4 PIN |
| **Minimum Illumination** | • 0 Lux (with IR) | **Anti-Vibration** | • 5.9 g |
| **Microphone** | • Yes | **Operating Temperature** | • -20°C — 70°C, RH 95% MAX |
| **Video Output** | • 1.0 Vp-p, 75 Ohm | **Lens** | • f = 2.8 mm |
| **Gamma Consumption** | • 0.45 | **Lens Angle** | • 130° |
| **AGC** | • Auto | **Night Vision Distance** | • 12 - 15m |
| **IP Rating** | • IP69K rated | **Dimensions** | • 114mm W x 77.5mm H x 72.3mm D |

## MONITOR SPECIFICATIONS   #QVMN27HD

| | | | |
|---|---|---|---|
| **LCD Size** | • 7" | **Storage Temperature** | • -30° — +80°C , RH 90% |
| **Resolution** | • 1024 x 3 (RGB) x 600 | **Power Consumption** | • Approx. 8 W |
| **Power Inputs** | • DC 10 - 32 Volt | **Video Inputs** | • 3 inputs (4 PIN) |
| **Dot Pitch** | • 0.1506 (H) x 0.1432 (V) | **Audio Inputs** | • 3 inputs (4 PIN) |
| **Colour Depth** | • 24 bit | **Video Outputs** | • 1 output (13 PIN) |
| **Contrast** | • 700 : 1 | **Audio Outputs** | • 1 output (13 PIN) / 1 W |
| **Brightness** | • 600 cd/m² | **Trigger Signal** | • 3 trigger wires |
| **Viewing Angle** | • U: 85° / D: 85° / R/L: 85° / 85° | **Anti-vibration** | • 3 g (Centre mount) / 7 g (U-support) |
| **Loudspeaker** | • One 24 x 15 x 4.5 mm loudspeaker | **Dimensions** | • Without U-support mount: 182mm W x 122mm H x 28.7mm W<br>• With U-support mount & sun shield: 214mm W x 138mm H x 65.2mm W |
| **Operating Temperature** | • -20° — +70°C, RH 90% | | |