

Tip of the month - August 2019

Miniature wireless cameras

At one of our fortnightly drop-in sessions, I demonstrated a miniature wireless camera similar to this one:



Mouse over image to zoom

FPV 1.2GHz 1500mW Wireless Camera Audio Video 8CH Transmitter 12CH Receiver D0G9

Condition: **New**

Offer ends in: 08d 15h 57m

Plug: - Select -

Multi-buy:	Buy 1 £19.64 each	Buy 2 £19.25 each	Buy 3 £19.05 each
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Quantity: **4 or more for £18.85 each**

21 available
[1 sold](#)

£19.64 each ~~£20.89~~
save £1.25 (6% OFF*)


Offer ends in: 08d 15h 57m

Buy it now

It was small enough to easily fit in an HO/OO loco or a piece of rolling stock. It is designed to work from a PP3 9V battery and consumes around 70mA. The larger receiving unit works from a 12V DC power supply (already in most layouts). The output of the receiver has a composite plug that can connect to any composite input on a TV or monitor. This would be ideal for displaying on large screens.

If you prefer to have a smaller screen, how about this:

The 5" monitor that comes with the kit could be mounted on your control panel, or could be made visible to visitors on exhibition layouts.



Mouse over image to zoom

Wireless Car Reversing Camera Kit Rear View LCD Monitor 5 HD Waterproof Hot

Condition: **New**

Multi-buy:	Buy 1 £18.89 each	Buy 2 £18.32 each	Buy 3 £17.95 each
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Quantity: **4 or more for £17.38 each**

5 available

£18.89 each

Buy it now

[Add to basket](#)

[Add to watch list](#)

Free postage
30-day returns
Posts from United Kingdom

For a few extra pounds, you can have a 7" version:

WIRELESS 7" LCD Display
WATERPROOF

TFT color monitor

1X IR NIGHT VISION CAMERA

Mouse over image to zoom

Have one to sell? [Sell it yourself](#)

The image shows a 7-inch LCD monitor on a stand, a remote control, and a night vision camera. The monitor displays a car on a road. There are also smaller thumbnail images of the product and its components.

Wireless Rear View Reversing Night Version Camera 7"LCD Monitor For Bus Truck

Condition: **New**

Multi-buy:

Buy 1 £29.99 each	Buy 2 £28.49 each	Buy 3 £28.19 each
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Quantity: 4 or more for £27.59 each

4 available
6 sold

£29.99 each

[Buy it now](#)

[Add to basket](#)

[Make offer](#)

[Add to watch list](#)

If it is for personal use, you can save money by using your mobile phone as the screen (you will need to connect via your router).

Free postage

Invisible Night Version
1080P Mini Camera

Full HD
1080p

Mouse over image to zoom

Have one to sell? [Sell it yourself](#)

The image shows a hand holding a small, square camera module next to a hand holding a smartphone displaying a video feed of a person. There are also smaller thumbnail images of the camera and its packaging.

Mini Spy IP Camera Wireless HD 1080P Hidden Home Security Night Vision UK

🔥 4 sold in last 24 hours

Condition: **New**

Multi-buy:

Buy 1 £7.99 each	Buy 2 £7.59 each	Buy 3 £7.51 each
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Quantity: 4 or more for £7.43 each

More than 10 available
505 sold / [See Feedback](#)

£7.99 each

[Buy it now](#)

[Add to basket](#)

[Add to watch list](#)

The items shown are screenshots from eBay.

Wiring the cameras

Most of the cameras work from 5V DC.

Even the 12V versions use regulators to bring the voltage down to 5V.

With the camera/transmitter taking 70mA, a PP3 would not have a huge lifespan.

In addition, a PP3 battery is not the easiest to find a space for.

Luckily for DCC users, there is a continual voltage available from the track.

If you are adventurous, you can hack into the decoder to find its DC pads.

Otherwise, you could make up a small rectifier/capacitor/regulator circuit that connects between the camera and the loco's pickups. Even better if you use SMD components.