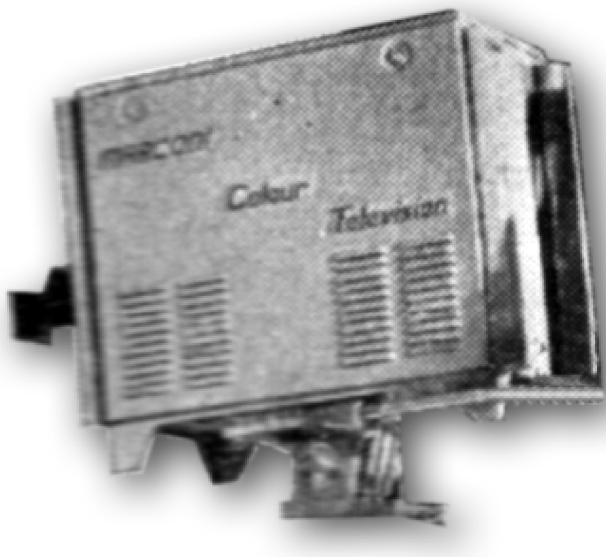


## European and American Television Cameras

	<b>Make</b>	<b>Marconi</b>
	<b>Model</b>	<b>Experimental colour Mk II</b>
	<b>Country</b>	<b>UK</b>
	<b>Camera Type :</b> Experimental Studio Colour camera with 2 Image Orthicons	
	<b>Camera Description :</b> Tall narrow camera with no viewfinder, controls at rear behind doors	

### Data

Tube details	2 x 3" Image Orthicon
Lens details	4 station turret.
Sig. to Noise	
Sensitivity	
Resolution	
Viewfinder	A standard MkII V/F could be fitted.
Camera cable	BICC Mk2 cable
Power supply	

### Data

Line standards	405/50
Colour standards	405Line NTSC
Drives or locking	Mono Pulses (4)
Weight	
Colours	Gray Rivel finish
Dimensions	Longer and taller than the MkII
Date introduced	1954

### Associated equipment

It is likely that there would have been two sets of MkII CCUs and PSUs plus some separation and combining units to produce RGB from the luminance and colour signals.

### Features

Use of two tubes, one normal resolution luminance, of 3 Mc/s bandwidth, and one for the two low definition colour signals. The colour tube used a grid giving a definition equivalent to 1.5Mc/s, half the normal definition. This made use of the eyes inability to see the fine detail of colour.

### General description

Looks like a tall MkII. It used two tubes. In the picture above the viewfinder is not fitted but a standard Marconi MkII viewfinder could be fitted. Ref (3), shows one fitted on the top of the camera.

### References

1. WW September 1954 page 436 and "British Radio and Television" June 1954 page 121.
2. Problems of television cameras and camera tubes, by L.H. Bedford. Journal of the British Institution of Radio Engineers, Oct 1954.
3. Journal of the Television Society, 1954 page 241 and page 503.

### Photo Reference

### History

A demonstration of the camera and other colour equipment was given on the 11th. May 1954 at Marconi House, Strand, London.

### Used By