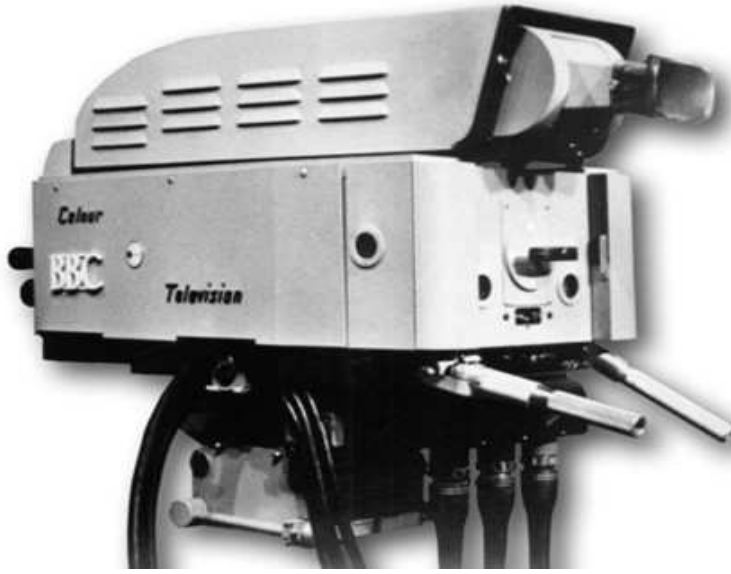


## European and American Television Cameras

	<b>Make</b>	<b>Marconi</b>
	<b>Model</b>	<b>MkIII colour</b>
	<b>Country</b>	<b>UK</b>
	<b>Camera Type :</b> Experimental Studio Colour using Image Orthicons	
	<b>Camera Description :</b> A very large camera using 3inch I.O. tubes, it was nicknamed "the coffin camera" very similar to the RCA TK40	

Data		Data	
Tube details	3 x 3 inch Image Orthicon tubes	Line standards	405/50
Lens details	Turret with 4 stations.	Colour standards	RGB to external coder
Sig. to Noise		Drives or locking	Drive pulses (set of 4)
Sensitivity		Weight *	
Resolution		Colours	
Viewfinder	7 inch? With tilting visor	Dimensions *	H x W x L mm.
Camera cable	3 x BICC Mk3 cable	Date introduced	c. 1954
Power supply			

\*Excluding Lens & Viewfinder

### Associated equipment

The three-tube colour camera and its camera channel amplifiers include an aperture corrector and gamma correctors. Coding equipment for providing N.T.S.C.-type signals on the 405 line standards. There are colour bar generators, colour monitors and other test equipment.

### General description

A very large camera with three 3" Image Orthicons in horizontal fan. Viewfinder mounts on top. Hinge down sides. Three camera cables to the rear. The 4 position turret had local control with one report of the option to remotely operate it. The iris was remotely controlled from the CCU using a Magslip motor. Focus is controlled by rotating one of the panning handles.

### References

WW Nov 1955 p528 shows a photo of the colour separation prism and dichroic mirrors.

WW Dec. 1955 p587 shows a nice photo of the CCU & W/F Mon.

Practical Television, Dec. 1955, has a report of the supply of a complete camera channel to the BBC.

British Radio and television, Dec. 1955 p731 Reports the installation of the Marconi colour camera at Alexandra Palace

### Innovations

This camera is based on the RCA TK40 camera which is very similar in appearance and operation.

### History

This is the first camera to be supplied and initially it was a single camera, the experimental studio being upgraded to two cameras later with continuing improvements.

### Used By

BBC experimental colour studio at Alexandra Palace circa 1955