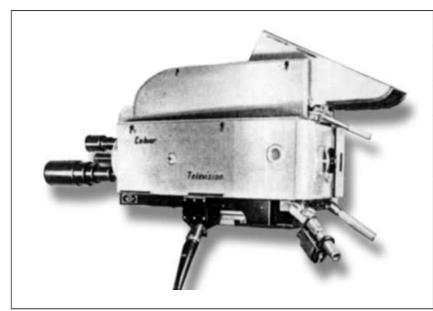
# **European and American Television Cameras**



Make	Marconi
Model	BD848
Country	UK
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Camera Type :

Studio colour using Image Orthicons

**Camera Description:** 

A very large camera using 3 Image Orthicon tubes, nicknamed "the coffin camera" due to it's shape. Similar to the RCA TK41.

Data		Data	
Tube details	3 x 3 inch Image Orthicons	Line standards	405/50 625/50 525/60
Lens details	4 station turret	Colour standards	R G B outputs
Sig. to Noise	38dB with 6 dB of aperture corr.	<b>Drives or locking</b>	4 mono pulses.
Sensitivity	2500Lux	Weight	About 330Lbs. (150Kg)
Resolution		Colours	, 2,
Viewfinder	22cm. Tilts	Dimensions *	H x W x L mm.
Camera cable	BICC 101 pin slow thread (88 used)	Date introduced	1957/8
Power supply	100-125v /200-250v 50-60Hz. 2KVA		

### **Associated equipment**

PSU unit and CCU are quite large. The operating console uses two standard consoles mounted together. The CCU is interchangeable with the 3 tube vidicon camera V3310. In addition there is the BD 875 21" colour monitor and a full range of coding and studio equipment.

## **General description**

A very large camera with three 3" Image Orthicons in a horizontal fan. The viewfinder mounts on top and can tilt. Hinge down sides. This model seems to be based on MkIV series equipment, the CCU & PSU certainly is MkIV style.

#### References

A History of the Marconi Company and the Marconi 1961 product catalogue. Practical Television September 1958 Page 67 & 68 and May 1959 reports that the camera was shown at the Lepzig trade fair.

# **Innovations**

#### Notes

Two of this version of the Marconi Colour camera were installed in an 8 ton OB van which was used for televising medical demonstrations. The OB van was equipped with three colour monitors, sound and vision mixers. The control and monitoring equipment was based on the Mk4 style equipment. Seven hundred feet of 88-way camera cable was carried on 4 drums. NTSC type coding modified to 405 line was employed in the UK but other standards could be used if required. A three-tube colour projector (BD876) was used as the main Audience monitor with a 21" shadow mask television, manufactured by Murphy Radio, as the secondary monitor.

## **Used By**

BBC colour studio at Alexandra Palace.
Smith, Kline & French laboratories Ltd. OB Van. Registration No. 2714 NO