


European and American Television Cameras

	Make	Marconi
	Model	BD848
	Country	UK
	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

Tube details	3 x 3 inch Image Orthicons
Lens details	4 station turret
Sig. to Noise	38dB with 6 dB of aperture corr.
Sensitivity	2500Lux
Resolution	
Viewfinder	22cm. Tilts
Camera cable	BICC 101 pin slow thread (88 used)
Power supply	100-125v /200-250v 50-60Hz. 2KVA

Data

Line standards	405/50 625/50 525/60
Colour standards	R G B outputs
Drives or locking	4 mono pulses.
Weight	About 330Lbs. (150Kg)
Colours	
Dimensions *	H x W x L mm.
Date introduced	1957/8

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