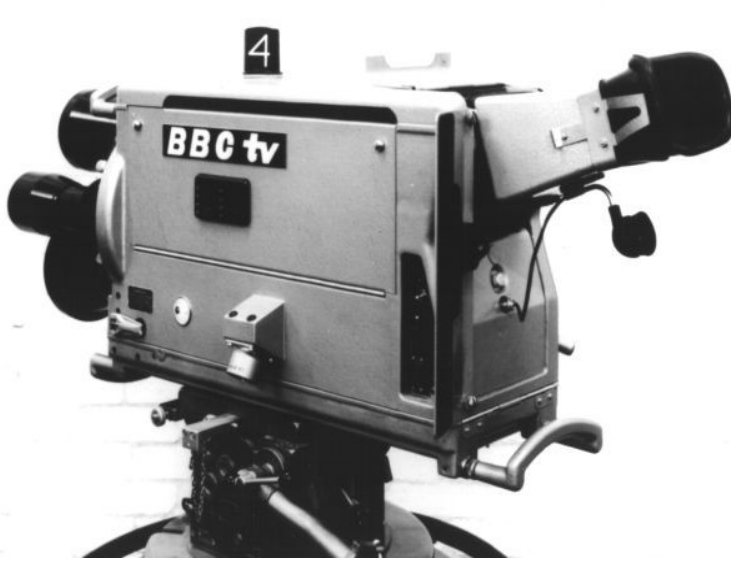


European and American Television Cameras

	Make	Marconi
	Model	Mk IV BD863 B3096
	Country	UK
	Camera Type :	
	Studio Image Orthicon	
Camera Description :		
Slim Design with prominent handles on Front and rear.		
4 Lens turret.		

Data	Data	* Excluding Lens	
Tube details	1 x 4.5" Image Orthicon (3" option)	Line standards	405/50 625/50 525/60
Lens details	4 position turret, TV88 mounting	Colour standards	Monochrome
Sig. to Noise	40dB.	Drives or locking	Mono Pulses (4)
Sensitivity	See tube data	Weight *	98lbs
Resolution	More than 400 lines	Colours	Hammer finish gray
Viewfinder	7" Fixed 50ft Lamberts brightness	Dimensions *	430H x 300W x 670L mm.
Camera cable	BICC Mk4b 1000ft.	Date introduced	1957/8 Prototype seen in 1958.
Power supply	100-125 & 200-250v 50-60Hz.800VA		

Associated equipment

CCU, PSU, remote control panel, picture & waveform monitor and a full range of studio equipment. The PSU and CCU are each contained in a standard Mk4 case. In common with the other camera equipment in this series, the PSU and CCU fit together in a 19" rack.

General description

A classic turret camera, slim and elegant. Solid mechanics. IO tube was changed from the front. Integral viewfinder, plug in circuit modules, Triple standard operation. Edge lit Perspex control panel. Servo iris control.

References

Marconi 1966 product Catalogue shows Mk4s in use by ABC TV in Brisbane Australia. The design of a 4.5" Image Orthicon Camera Channel. By G.E. Partington. SMPTE Volume 69 Feb. 1960. Photo Reference, Page 99 WW February 1961.

Innovations

High stability circuits, minimizing adjustments. Image orbiting system. Ergonomic carrying handles. Plug in printed wiring modules in camera & CCU.

Notes

Practical Television Feb. 1958 reports that the BBC have ordered 15 channels for the new TV center at White City. Practical television Oct 1958 reports that the MkIV are in use at the BBC Riverside Studios. Television May 1960 reports that Associated Television Ltd. have ordered 5 channels for the Wood Green studios. Televit Moduison, August 1960, reports that 3 channels have been ordered by Elktrim for their Warsaw studios. Tom Mayer states in IEE Colloquium that the world's largest user of Marconi (MK4s) was the US navy. This is also reported in WW June 1963, which states that four cameras were used in a system to record the landing of aircraft on the flight deck of aircraft carriers. 114 were sold in the UK and 802 exported a total of 916. As it is thought that over 950 were made surprisingly few survive, at least in the UK.

Used By

World wide use, most successful camera that Marconi produced. It was used extensively by the BBC, Granada, Westward and other UK ITV companies, The US Navy, ABC (Australia), RAI used them to televise the 1960 Rome Olympic Games, in an RAI picture, and it had a metal sun shield covering the top of the camera.