


European and American Television Cameras

	Make	Marconi
	Model	Mk VI B3124
	Country	UK
	Camera Type : Studio or outside broadcast monochrome photoconductive camera.	
	Camera Description : Compact slim Design with prominent handles on both sides.	

Data

Tube details	1 x 30mm. Plumbicon ® (1)
Lens details	Zoom, pulley wheel mount (2)
Sig. to Noise	46dB for 5.5Mhz bandwidth
Sensitivity	
Resolution	
Viewfinder	7" tilts B3102 high brightne ss. (3)
Camera cable	BICC Mk4b 300m. or 600m. option.
Power supply	100-125 & 200-250v 50-60Hz.380VA

Data

Line standards	625/50 525/60 405/50
Colour standards	Monochrome
Drives or locking	MS MB LD FD mono Pulses
Weight *	25.9Kg.
Colours	Two tone gray Organosol paint
Dimensions *	406H x 330W x 467L mm.
Date designed	Before 1966
Dates used	

*Excluding Lens & Viewfinder

Associated equipment

CCU with combined PSU, Control panels B3104, Live camera control panel B3208, Telecine camera control panel B3127. A full range of matching studio equipment was available.

General description

Solid State, apart from the EHT rectifiers and stabilizers, with tilting viewfinder and side carrying handles. Plug in modules in camera and CCU. The construction style matches the MkV Image Orthicon camera and the MkVII colour camera, but it is tiny by comparison. A small basic version of the camera head was available for use as a telecine or caption camera. Combined CCU & PSU 7U high rack mount.



Telecine CCU B3126

References

Marconi 1966 and 1968 product Catalogue. Practical Electronics Feb. 1967 page 126.

History

29 sold in UK and 49 exported a total of 78. Few survive; there is one in the collection of the NMFPTV at Bradford. There may also be one in the Chelmsford and Essex museum.

Notes

- (1) The camera was offered with either a 30mm. Plumbicon or 1" vidicon for telecine use.
- (2) The pulley wheel mount with its quick release mechanism and standard electrical interface was used on several cameras of the period. (Marconi, EMI, Pye and others)
- (3) The 7" viewfinder, B3102/B3128, is used on the MkV, MkVI, MkVII, and with some modifications on the MkVIII and Mk IX cameras. It has a high brightness of 2150 lumens and can resolve over 600 lines. It has proved to be reliable in service considering they are all 30+ years old now. Some of the early CRTs have a defect with the tube faceplate bonding. Over time this leads to spots between the tube glass and the front glass.

Used By

Thames, Ulster & TTV