


European and American Television Cameras

	Make :	Marconi
	Model :	B3097 BD896
	Country	UK
	Camera Type : Telecine or caption camera broadcast.	
	Camera Description : High quality unit based on Mk4 style equipment. A very cubic shaped camera.	

Data

Tube details 25 mm Vidicon type 7038
Len details 5cm. for type BD 922A Telecine
Sig. to Noise 45dB in 5.5 Mhz. bandwidth
Sensitivity
Resolution Better than 400 lines
Viewfinder none
Camera cable BICC Mk4b 50ft.
Power supply 100-125v or 200-250v 50-60Hz.

Data

Line standards 405/50 625/50 525/60
Colour standards Monochrome
Drives or locking 4 mono pulses.
Weight * 10kg.
Colours Hammer finish gray
Dimensions * 370H x 330W x 280L mm.
Date designed
Dates used
Used by BBC and ITV
 *Excluding Lens

Associated equipment

PSU unit uses the same transducer that is used in the Mk4 image orthicon camera. The lavishly equipped remote control panel (about 36 controls of one sort or another!) matches that of the Mk4 IO camera channel. The PSU and CCU are each contained in a standard Mk4 case. In common with the other camera equipment in this series, the PSC and CCU fit together in a 19" rack. A full range of studio equipment was available and the picture and waveform monitor BD873 was recommended.

Developments

The vidicon target has blower to keep it cool and is operated in the high voltage focus mode with 1000volts on the wall anode. The scanning yoke has excellent geometry and the scanning circuits have a wide range of adjustment, 40% to 120%, for caption and special effect work.

References

Marconi product catalog

Photo Reference

Innovations

Notes