


European and American Television Cameras

	Make	Pye
	Model	C481L4 (Mk1)
	Country	UK
	Camera Type : Studio Monochrome.	
	Camera Description : Large camera with a 4 lens turret, removable electronic viewfinder. Interesting "gun sight" carrying handles. Step change in camera width on right side.	

Data		Data	
Tube details	Photicon (midget Image Iconoscope)	Line standards	405/50 819 lines to order
Lens details	4 x turret, with Pye 2 bolt flange	Drives or locking	Pulses; LD, FD, MS, MB
Viewfinder	4 inch Cathodion tube with flat face and magnifier lens	Colours	
Camera cable	BICC Mk2 in later cameras	Dimensions *	H x W x L mm.
		Date introduced	Before Nov. 1948 WW ref.

Associated equipment

CCU (camera control unit) type C2452/6, Camera monitor type C2447 with a 7.5" x 6" screen and a 3" waveform monitor. Power supply unit for the camera, CCU and monitor. These three units had unusual and unique carrying handles. They could be mounted in a purpose designed vertical wheeled trolley.

General description

Large camera with lift up side covers and an unusual viewfinder at the bottom of the rear of the camera. The taking lens was probably the right hand one. Some cameras had a "gun sight" aperture in the handles at the top. The camera had swing out black crackle painted chassis for maintenance, much like the later Pye Mk3. The Photicon unit moves forwards and backwards for focus. Two telescopic arms could be extended from the front of the camera to hold a caption, or test card.

References

WW. Nov 1948 page 412 "demonstrated at Copenhagen exhibition". I suspect that this is earlier than the version supplied to the BBC

Photo Reference

TV Engineering, Amos & Birkinshaw, Iliffe, page 195

Innovations

Use of a miniature Image Iconoscope tube (Photicon), in sealed a replaceable housing. It was claimed that the tube unit could be quickly changed by non engineering staff (cameramen). The motorized iris drive to the lenses had an indicator at rear of camera. A telephone style microphone was mounted just below the viewfinder hood for the cameraman's replies. Pye claimed that the Photicon tube gave a "Fine definition and tonal response".

History

Two "pre production cameras were used in the "Pye Humber OB car"

Notes

WW May 1951 Page ii shows Camera with BICC Mk2 connector. Later versions of this camera used the Pye Pesticon. Total sales believed to be less than 50.

Used By

BBC, MCR3 (1948), Lime Grove studio G (1950)



The camera showing the removable viewfinder