


European and American Television Cameras

	Make	Pye
	Model	Mk 6
	Country	<u>UK</u>
	Camera Type : Monochrome Outside Broadcast Image Orthicon.	
	Camera Description : Full size camera, heavy duty "Electron" castings at front and rear. 4 lens turret with splayed out lenses.	

Data

Tube details	4.5 inch Image orthicon.
Lens details	4 x TV88 specification lenses
Sig. to Noise	
Sensitivity	
Resolution	Better than 400 lines
Viewfinder	7 inch fixed position.
Camera cable	BICC Mk4b fast thread 2000ft. max.
Power supply	95-130 or 190-260V 47-65Hz. 800VA.

Data

Line standards	625/50 405/50 525/60
Colour standards	Monochrome
Drives or locking	MB, MS LD, VD, pulses
Weight *	77Kg. (170Lbs.)
Colours	Hammer grey + black anodising
Dimensions *	570H x 430W x 920L mm. overall
Date introduced	1963
	*Excluding Lens

Associated equipment

CCU, PSU & control panels. Light box (diascope) type 845434, Pye manufactured a full range of support equipment including, for this camera, an Outside Broadcast van,

Features

An inverter power supply for the tube voltages simplified the PSU, which used conventional transformers and a switching (SCR) regulator. The voltage reference was in a temperature controlled oven to improve the stability. The fully specified camera had all the controls and features needed for complex OB operations.

General description

A large robust camera built to an exacting BBC specification for use in the new fleet of MCRs ordered from Pye. The camera was a development from the Pye Mk5 camera using more semiconductors and mechanical turret and focus controls. The lens irises were driven by a servo system with the drive motor mounted in the center of the turret. The turret had a cone angle to splay out the lenses so that they did not obstruct the view of the taking lens. A six position filter wheel was operated by an edge knob at the front left side of the camera. It had hinge down side panels with plug in electronic modules. The CCU & PSU in were in "suit-case" style boxes that could be bolted together.

References

The Pye TVT Story by Richard Ellis, page 154. ISBN 18934017X

Notes

This camera, with its BBC specification was not sold to any other broadcasters and I believe only about 50 were made. Three are known to survive. In the first 5 produced the PSUs were all identical later PSUs had varying degrees of comparability.

Used By

BBC Outside Broadcasts, they were fitted in MCRs 19 to 28 all had 4 cameras with provision for a 5th. camera as a spare. MCR20 went to Cardiff, MCR27 went to Glasgow and MCR28 went to Bristol. Roving Eye 5 was fitted with 2 Pye Mk6's. These could have been the spares mentioned above. As colorization progressed some of the Pye Mk6's were re-deployed. MCR21's cameras went to the "Hippodrome".



The Pye Mk6 PSU with switch, meter and fuses