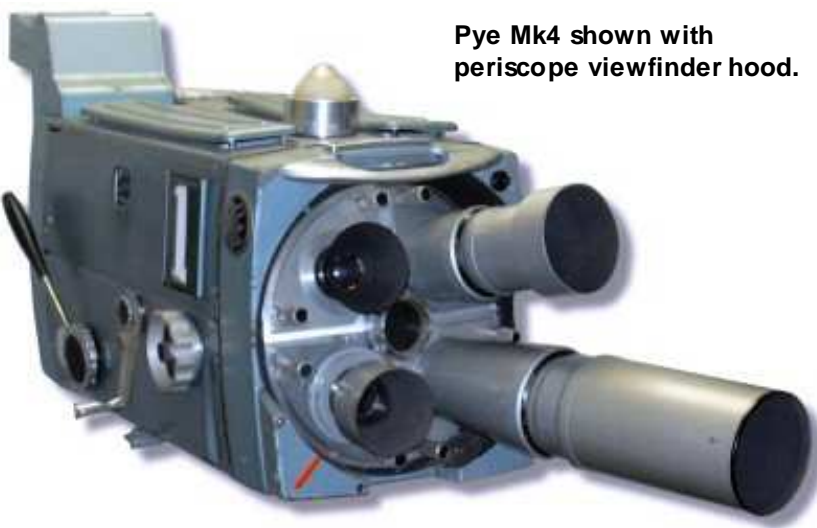


European and American Television Cameras

 <p>Pye Mk4 shown with periscope viewfinder hood.</p>	Make	Pye
	Model	Mk4 842042
	Country	UK
	Camera Type : Studio monochrome Image Orthicon	
	Camera Description : Medium turret camera with front and rear castings. Offset viewfinder. (2)	

Data

Tube details 3 inch Image Orthicon
Lens details 4 way turret, Pye special mount (1)
Sig. to Noise
Sensitivity
Resolution
Viewfinder 7 inch AW17-20 (2)
Camera cable Mk4b BICC
Power supply 85-125V or.170-250V 47-70c/s 1KW

Data

Line standards 405/50 525/60 625/50
Colour standards Monochrome
Drives or locking 4 Mono pulses
Weight * 44 Kg. 98lbs.
Colours Light & dark Blue enamel
Dimensions * 320H x 300W x 550L mm.
Date designed WW advert Aug. 1959.
 Drawings dated 1/3/1960
 *Excluding Lenses

Associated equipment

CCU type 2329, PSU type 2396. The CCU & PSU would mount on a Pye standard desk unit with a Pye 2780/8 monitor above. Pye produced a full range of matching studio equipment.

General description

Front & rear "Elektron" castings with pressed aluminum panels. A small (relatively) and neat camera, with 5 position filter wheel and a variable 100:1 ND filter for exposure control (3).

References & Photo Reference

Product catalogue & factory drawings.
 WW page 52 July/August 1959

Innovations

Plug in electronics modules and hinge out electronics frame giving high accessibility, operational controls on front of CCU, image-orbiting function, and quick I.O. tube replacement though camera rear. The camera had a counterbalance mechanism to correct for the movement of the yoke so that no gravitational loading was transferred to the focus control.

History

ATV at Elstree had some that they sold to the Post Office who installed them in a small scanner. They then passed them to the Thames TV collection and hence to the NMFPTV at Bradford. Few survive.

Notes

- (1) Distinctive splayed lens turret, this design reduces the risk of the hood of one lens being in the field of view of a wide angle lens. Lenses in the range of 39mm to 1020mm could be fitted.
- (2) Fixed viewfinder with periscope option. The offset viewfinder and taking lens were in a common vertical axis.
- (3) The cameraman or the CCU operator could operate this.

Used By

ITV and world export. Anglia and ATV had some and I understand BBC had a few?



Pye Mk4 CCU