

## European and American Television Cameras

	<b>Make</b>	<b>Pye</b>
	<b>Model</b>	<b>Mk5 842131</b>
	<b>Country</b>	<b>UK</b>
	<b>Camera Type :</b> <b>Studio monochrome Image Orthicon</b>	
	<b>Camera Description :</b> <b>Large turret camera with front and rear castings. Offset viewfinder.</b>	

### Data

**Tube details** Image Orthicon 4.5"  
**Lens details** 4 \* Fixed F.L. Iris ring, Turret TV88  
**Sig. to Noise** Not more than 1dB worse than IO.  
**Sensitivity** Depends on tube  
**Resolution** Amplifiers flat to 7Mhz  $\pm$  0.5dB.  
**Viewfinder** 7" Fixed.  
**Camera cable** Mk4b BICC 1000ft.max  
**Power supply** 950W. 85-135 & 170-250v 47-65Hz.

### Data

**Line standards** 625/50 405/50  
**Colour standards** Monochrome  
**Drives or locking** 4 Mono pulses  
**Weight \*** 130lbs.  
**Colours** Dark & light Grey  
**Dimensions \*** 480H x 320W x 700L mm.  
**Date designed** 1959 Drawing dated June 1959  
 \*Excluding Lens

### Associated equipment

CCU 842382, PSU 842400, Engineering control panel 843972, Operational control panel 843976. Full range of accessories and matching studio equipment.

### General description

Robust front and rear "Elektron" castings, the motor driven turret used splayed lens mounting to avoid lens hoods in shot. Fixed integral viewfinder, periscope hood attachment option. Hinge out electronics panel. Novel sliding side access doors to controls.

### References

Product catalogue. Advert BIRE journal Dec. 1962

### Innovations

Plug in electronic chassis, motor driven turret. Pye's first 4.5" Image Orthicon camera. The Image orthicon tube was loaded from the rear in a scanning yoke which withdrew from the focus coils. First use by Pye of the Joystick Iris control. I think some early channels had "horizontal" PSU and CCU similar to the Mk4. This had the operating controls on it and a waveform monitor built in.



### Used By

ATV at Elstree & other ITV companies. The BBC had some at Riverside studios. ABC in Perth Australia.

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The Museum of the Broadcast Television Camera

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