


European and American Television Cameras

	Make	Pye
	Model	Mk8 842118-9 LDM 42
	Country	UK
	Camera Type : Studio monochrome, full facilities	
	Camera Description : Well specified transistorized Plumbicon camera, with choice of broadcast quality lenses. Full size viewfinder.	

Data		Data	
Tube details	1 x Plumbicons 30mm.	Line standards	625/50 525/60 405/50
Lens details	Zoom internal 10:1 or external	Colour standards	Monochrome
Sig. to Noise	> 42dB.	Drives or locking	MS & MB pulses required
Sensitivity		Weight *	35.5Kg
Freq. response	15Khz to 6.5Mhz. ± 0.5dB	Colours	Black and Silver
Viewfinder	7 inch, tilts	Dimensions *	464H x 362W x 680L mm.
Camera cable	BICC Mk4b to 1000ft.	Date introduced	c. 1965-7
Power supply	100-125 & 200-250V, 150VA 47-65Hz		

*Excluding Lens & Viewfinder

Associated equipment

Joystick remote panel AG4679/00. An adapter to use TV88 lenses, Range of items in the "system 70", A full range of studio equipment. CCU & PSU type 846370/00, Engineering control unit 844432/00.

Features

5 position filter wheel. The camera front folded down to access the filters and tube face plate. To change line standards from 405 to 525/625 a different plug in Line Scan unit was needed.

General description

Full featured studio camera, with prominent carrying handles along sides, tilting viewfinder, and plug in electronics. Control panel used Joystick. Stable design, Tube voltages generated by an inverter and supplied to a transformer in the control panel. Auto test signal. It uses the similar CCU and power supply to the companion camera, the Pye Mk7 Image Orthicon camera.

Versions

842118/00	Plumbicon viewfinder camera 525/625 lines
842118/01	Plumbicon viewfinder camera 405 lines
842118/02	Plumbicon viewfinder camera 405/525/625 lines
842119/00	Vidicon viewfinder camera 525/625 lines
842119/01	Vidicon viewfinder camera 405 lines
842119/02	Vidicon viewfinder camera 405/525/625 lines
842110/00	Plumbicon caption camera 405/525/625 lines
842111/00	Vidicon caption camera 405/525/625 lines
842632/00	Telecine camera, Later number LDM80
LDM0042/05	(848090/00) Later simplified version viewfinder camera with integral lens.

Developments

The camera was developed to use a separate mesh Plumbicon, XQ1020, with an integral 10:1 zoom lens system. The camera cable connector was changed to a Cannon MS3106F-28-21, the CCU and PSU were reduced to one rack unit and simplified. The "pulse check test signal" was discontinued. The camera was marketed under the Philips number LDM42.

References

Pye product brochures.