

# European and American Television Cameras

	<b>Make</b>	Philips
	<b>Model</b>	LDK 3 (S) LDK 4800
	<b>Country</b>	Holland
	<b>Camera Type :</b> Studio colour, full facilities	
	<b>Camera Description :</b> Large camera with 3 tubes in vertical layout. Lens offset to side, fixed viewfinder.	

## Data

**Tube details** 3 x Plumbicons 30mm XQ1020/5  
**Len details** Zoom 10 to 18:1 ranges  
**Sig. to Noise** >40dB  
**Sensitivity** 1500Lux f4  
**Resolution** 100% @5Mhz  
**Viewfinder** 7" Fixed.  
**Camera cable** Felten & Guillaume 756-1, 1Km.  
**Power supply** 110 to 234 volts 350VA

## Data

**Line standards** 625/50 525/60  
**Colour standards** PAL/NTSC/SECAM  
**Drives or locking** Driven  
**Weight \*** 42Kg. excluding lens  
**Colours** Grey/L.Grey  
**Dimensions \*** 485H x 320W x 520L mm.  
**Date designed** Before 1966  
 \*Excluding Lens & Viewfinder

## Associated equipment

CCU LDK 4950, PSU LDK4990, Control panel LDK4930, Waveform Monitor, LDK4910 & picture monitor LDH2151. Optical alignment kit EL8708/00 (diascope). Schneider, Angenieux, Rank Taylor & Hobson offered a range of lenses with range extenders and close up adapters.

## Features

Uses 3 Plumbicon tubes with "Prismatic" beam splitter block. FET head preamp. "Contours out of Green" aperture correction. See SMPTE Volume 75 Oct. 1966 for description of optical system. Philips describe it as the 3rd. generation Plumbicon camera.

## Developments

LDK3S introduced in 1970. Final development of the PC60 line, sales in excess of 1800. (RTS 1975 P275)

## General description

This is a big camera with substantial diecast chassis and fittings. The CCU & PSU are based on plug in modules and standards changing is done by using different modules. The lens is offset to camera left and the viewfinder is hinged and can be swung out for maintenance.

## References

Catalogue and performance specifications book. Philips technical review vol. 27 1966 No.1 description of plumbicon tubes and there application in colour TV cameras, some pictures of LDK3

## Notes

"The transistor that drives the cue lamp gets \*\*\*\*\* hot!, I burnt my finger on it"- G. Carter BBC Vision Supervisor (PC80).

## History

The last LDK3 left the production line in 1974 with a total of about 1800 camera in the PC60 line being made.

## Used By

World wide, Video Hilversum had at least 6 LDK3S in 1984.

