

European and American Television Cameras

	Make	Philips
	Model	LDK 25 (B)
	Country	Holland
	Camera Type : Colour, Studio. Full facilities	
	Camera Description : Low profile camera with prominent viewfinder on top. Quality diecast panels and modular construction inside. "B" version pictured left.	

Data	Data
Tube details 3 x Plumbicons 25mm. ACT, XQ1080	Line standards 625/50 525/60
Lens details Zoom	Colour standards PAL/NTSC/SECAM
Sig. to Noise 45dB.	Drives or locking Genlock
Sensitivity 1000Lux @ f2.8	Weight * 39.5Kg. V/f = 8Kg.
Resolution 40% at 5Mhz. Without correction	Colours Grey
Viewfinder 17cm. Detachable, tilts and rotates.	Dimensions * 429H x 441W x 557L mm.
Camera cable TV36 or F&G 753-5 cable to 600m.	Date introduced c. 1974 (B version c.1981)
Power supply 100-120 or 220-240V 47- 63Hz	

*Excluding Lens

Associated equipment

Electronics unit (CCU) LDK 4350, PSU, control panel with principal controls, OCP. The portable companion LDK15 camera is compatible with the LDK25 CCU system.

Features

The simplified systems of the LDK25 give considerable cost savings. Options for auto iris, auto white, auto centering and a variable matrix were offered at extra cost.

General description

The LDK25 is the CCU version of the LDK5. The 3 Plumbicon tubes are in the middle of the camera in a horizontal fan. As the lens and tubes are in line it results in a longer overall camera length. Using smaller 1" tubes and a smaller prism offsets this disadvantage. ACT tubes were used giving improved highlight overload handling. The viewfinder tilts for high angle shots and rotates to both sides. It could be removed and operated a short distance away from the camera head.

Versions

There were at least two types of production for the LDK25, the later "B" "European" type with blue rectangular connectors on the CCU, pictured above, and the Norelco "American" type "A" with round military style connectors on the CCU. This latter version also had different castings for the camera body. It is also thought that the castings were made of a lighter magnesium/aluminum alloy with a different profile. The B version introduced c.1981 or possibly earlier?



The control panel for the LDK15 & 25

Innovations

A modular plug in board system made first line maintenance quick and easy. The LDK25 was designed to be able to accept 41XQ image intensifiers that enabled low light operation down to 5Ft. candles.

History

The LDK25 camera was developed in the USA by PEBC (Philips Broadcast Equipment Corp.) and is related to the Norelco PCP-100 and PCP-90 camera series.

Notes

This camera was marketed in the UK by Pye & Peto Scott, Norelco in the USA and Philips elsewhere.