


European and American Television Cameras

	Make	Philips
	Model	PC60 EL 8521
	Country	Holland
	Camera Type : Studio Colour, full facilities	
	Camera Description : Large camera with 3 tubes in vertical layout. Lens offset to side, fixed viewfinder.	

Data

Tube details	3 x Plumbicons 30mm.
Lens details	TTH Varatol IX or XVI zoom.
Sig. to Noise	40dB. With Peto Scott head amps.(1)
Sensitivity	1500Lux @ f4
Resolution	100% at 5Mhz with AK
Viewfinder	7 inch fixed.
Camera cable	2 x BICC Mk4b Max 300/600m.
Power supply	110-234V 50/60Hz.

Data

Line standards	625/50 525/60
Colour standards	RGB outputs
Drives or locking	Drives
Weight *	50Kg. ??
Colours	Grey & Silver
Dimensions *	483H x 356W x 508L mm.
Date designed	1963/4

*Excluding Lens

Associated equipment

CCU EL8526

Features

Use of the newly developed 30mm. Plumbicon camera tube.
The first stage of the head amplifier is a Nuvistor valve.
(1) The BBC RD designed head amps offered a 7dB. improvement.

General description

This is a big camera with substantial diecast chassis and fittings.
The lens is offset to camera left and the viewfinder is hinged and can be swung out for maintenance. Uses 3 Plumbicon tubes with "Prismatic" beam splitter block.

References

"Philips Broadcast Cameras" edited by Richard Ellis.
"Philips Technical Review" Volume 27 No.1 1966.
A PC-60 is on display in the Philips Museum, Eindhoven.

Innovations

This camera was one of the first to be designed to use a zoom lens and it has the unusual feature of an external zoom angle indicator. A yellow "flag" extended out of the top of the camera according to the zoom lens angle of view. This must have been so that the studio staff and sound boom operators, new how to "keep out of shot". The cue light is unusual as well, mounted to the rear of the camera with a "shield" to the front.

History

This camera was developed by the Philips ELA group (Electro Acoustics) in 1964 using the experience gained with the "Medical" camera and an experimental Plumbicon camera. The very first versions had a turret lens which was soon abandoned in favor of a zoom lens. Prototypes were delivered to CBS in America in 1964 who wanted a change to silicon transistors and improved CCU packaging to use in their OB vehicles. The PC60 cameras were shown at NAB under the Norelco brand. In the UK they were branded Peto Scott or Pye.



PC-60 rear view