


European and American Television Cameras

	Make	Norelco
	Model	PC-100 (A)
	Country	USA
	Camera Type : Studio Colour full facilities	
Camera Description : Low profile camera body with the tubes in a horizontal array, robust magnesium alloy castings with the viewfinder mounted on the top.		

Data		Data	
Tube details	3 x Plumbicons 25mm.	Line standards	525/60
Lens details	Zoom	Colour standards	NTSC
Sig. to Noise	50dB.	Drives or locking	B&B or free run.
Sensitivity	1000LUX f2.8	Weight *	33.5Kg. V/F 8Kg. Lens 18Kg.
Resolution	40% @5Mhz*	Colours	Light grey with black trim
Viewfinder	7" tilts, swivels, elevates & detaches	Dimensions *	300H x 430W x 560L mm.
Camera cable	Triax to 1 mile and TV36	Date introduced	1970 (NAB)
Power supply	115/230Vac. 47-63Hz. 500watts		

*Excluding Lens & Viewfinder

Associated equipment

The CCU was a 4U high rack mounting unit with two rows of plug in modules, similar to that used on the LDK25 and LDK15 cameras. A 2U high cable power supply unit provides 100VDC to run the camera. The control panel was also a 19inch rack unit similar to the one used on the PC-72 camera.

Features

The Philips LDK5 family of cameras had unusual internal mechanical drive shafts for the lens, the focus control, seen above, connected to the lens via a spline socket and the lens just lifted off the camera with no messy cables! There was a similar arrangement on the other side of the camera for the zoom control.

General description

References

"Television Broadcasting Camera Chains" page 85 & 190 by Harold Ennes 1971 Sams. Product Brochure.

"Philips Broadcast Cameras" edited by Richard Ellis.

Photo Reference

Innovations

It is thought that the camera triax and digital control systems were based on the earlier PCP-90 portable camera design by CBS.

History

Notes

The PC100 camera system was relatively expensive and in 1969 a new specification was written leading to the production of the LDK5 camera.

Used By



PC-100 control console