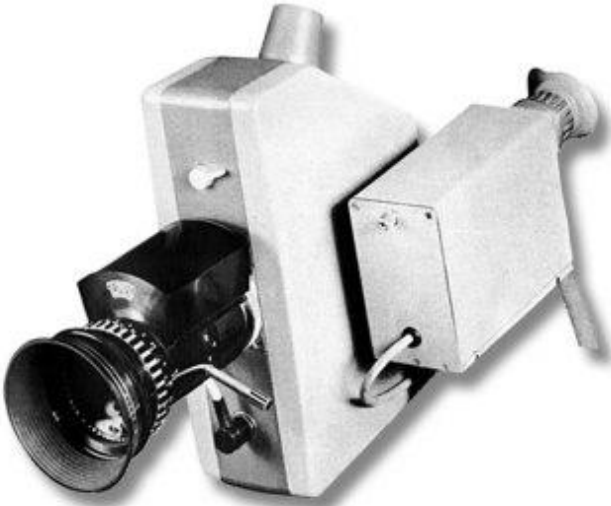


## European and American Television Cameras

	<b>Make</b>	<b>Philips</b>
	<b>Model</b>	<b>LDK 13</b>
	<b>Country</b>	<b>Holland</b>
	<b>Camera Type :</b> Colour, Portable with backpack.	
	<b>Camera Description :</b> Small triangular shaped camera with cast aluminum frame and pressed side covers. The camera has only the minimum of components, all processing in the backpack.	

Data		Data	
Tube details	3 x Plumbicons 5/8 inch (1)	Line standards	625/50 525/60
Lens details	Zoom, Schnieder Variogon 13-65mm.	Colour standards	PAL/NTSC/SECAM
Sig. to Noise	43dB. Without correction	Drives or locking	MS, MB, BG, PI, Sub. to LDK3
Sensitivity	1000 lux f2 for 39dB sig. noise Y ch.	Weight *	Cam = 3.5Kg. V/f = 1Kg.
Resolution	25% at 5Mhz without correction	Colours	Grey
Viewfinder	1 inch monocular tilts on arm.	Dimensions cam	320H x W x 203L mm. *
Cam to B/pack	Special 10m max.	Dim's B/pack	468H x W x 243L mm.
B/pack to CCU	F&G 756-3 cable to 300m. (2)	Date designed	designed in about 1968
Power supply	110-117 or 220-234V 50-60Hz (ldk3)		

\*Excluding Lens

### Associated equipment

The camera head was reduced to an absolute minimum size with almost all of the electronics in a large "Intermediate unit" or Backpack with frame and harness. This then connected to an LDK 3 CCU system. There was a double control panel, type LDK4930/20, for alternate LDK3 of LDK13 use.

### General description

This early "portable" colour camera was based on the LDK 3 camera channel, it connected to a large backpack that contained the electronics with a special multi-core cable, and this backpack then connected to the LDK3 CCU with LDK3 camera cable.

In use the camera mounted well forward of the shoulder on a chest and stomach brace. The backpack could be worn by the cameraman or an assistant.



The LDK13 electronics backpack & frame

### Innovations

Two unit solution to the portable camera requirement.

### History

The LDK13, portable companion to the LDK3, was introduced at Montreux in 1969. A picture of a prototype camera appeared in Practical Television August 1968. LWT (London Weekend Television) had one that was used the *Upstairs Downstairs* programme. The BBC had one on field trial in 1970 (then known as the "Alpha camera") and the LDK13 was also demonstrated in the children's *Magpie* programme in 1972. It is thought that the BBC did not buy any. The early cameras were badged Pye in the UK and it is believed that not many were made.

### Notes

- (1) These Plumbicons had electrostatic focussing.
- (2) Or Felten and Guillaume 756-1 cable to 1000m.