

European and American Television Cameras

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|  | Make | BTS/Philips |
| | Model | LDK90 (KCB590) |
| | Country | Holland |
| | Camera Type : Multi role ENG/EFP/studio CCD camera | |
| | Camera Description : Small camera with range of "backs" and viewfinders for different functions | |

Data

Tube details 3 * CCD Frame Transfer *see notes*
Lens details Zoom
Sig. to Noise 56dB. Pal
Sensitivity 1750 Lux at f4.0
Resolution 604 * 576 Picture elements (pal)
Viewfinder 1.5" monocular or 5" studio V/F.
Camera cable 19 way multicore 300m. Max.
Power supply 12v. 11 watts basic camera

Data

Line standards 625/50 525/60
Colour standards PAL/NTSC
Drives or locking Genlock
Weight * 2.35 KG. Basic camera
Colours Light gray
Dimensions * 126H x 146W x 185L mm. basic
Date designed 1986?
Dates used 1987

*Excluding Lens & Viewfinder

Associated equipment

Selection of ENG, EFP, and BetaCam backs (when fitted with beta back camera is called KCB 590). Remote control unit and or local control panel. There was a vast range of accessories; viewfinders, battery boxes, lenses, microphones, power supplies, cables.

Features

Use of new CCD sensor with rotating mechanical shutter. Computerised control system. Local control panel with 4-position gain switch and colour balance controls. Low height camera body giving "see over top of camera" ability when compared with tube cameras.

General description

The LDK 90 uses the frame transfer CCD type NXA 1000 (FT4). This has 604 pixels per line in 625 or 610 pixels per line in 525 lines. A well built and robust camera.

References

CCD description in SMPTE journal March 1991.

Photo Reference

History

The LDK90 line was continued with the LDK91 and LDK93 cameras. See also the LDK9 and LDK900 ranges.

Notes

Used By

Granada and BBC in the UK.



Remote control unit (RCU)
LDK4493/00