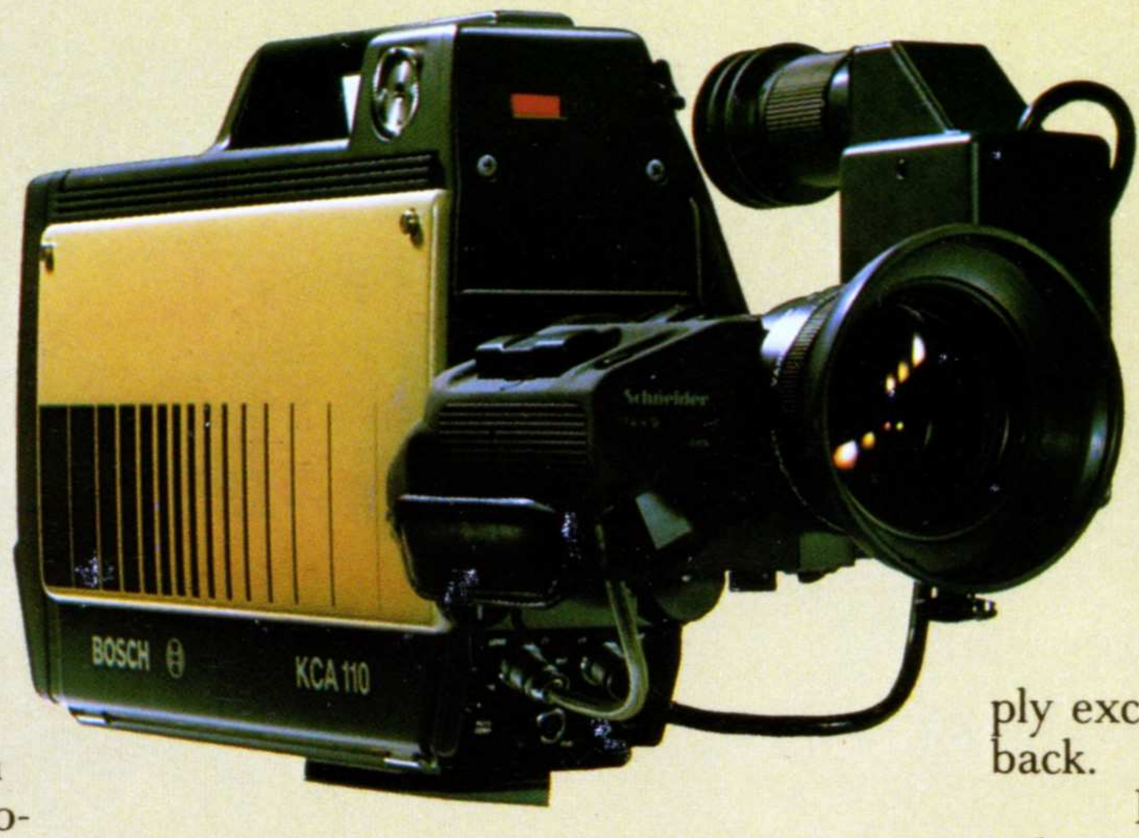
The KCA 110 System For Studio and Field Production



A new generation with low output capacity tubes and an increased sensitivity prism splitter: these are the factors which enable the modern KCA 110 production camera system to achieve a picture quality which, until now, could never have been expected from this class of color television camera.

Perfect Pictures with Extreme Sensitivity

LOC diode gun tubes and automatic beam control allow comfortable handling of highlights with up to 16 x white level. The high/normal/low contrast switch pulls detail out of the shadows and increases the contrast where there is a high level of diffuse light.

The noise performance allows full utilisation of the gain, switchable between 0 / +9 / +18 dB, for poor lighting conditions.

The KCA 110 – A Cameraman's Camera

The new integrated spot-measurement and a genlock sync generator increases the system's sope of application.

The cameraman is able to concentrate fully on what is happening. Automatic adjustment and correcting facilities, the choice of a 4 cm or 15 cm viewfinder and alpha-numeric status displays add to the convenience of operation.

The shoulder pad can be adjusted in order to adapt the camera's centre of gravity to different lenses and the KCA 110 is designed for both left and right-handed operation.

Up to 4000 m via Optical Fibre Cable, up to 300 m via Multi-core Cable

The optical fibre cable can be laid underneath sports fields, run over by vehicles or suspended between buildings. It weighs only one tenth of the multi-core cable and is completely insensitive to electromagnetic fields.

In OB van operation the KCA 110 is supplied with power and remote controlled via a multi-core cable, up to 300 m in length – the same cable as used for the KCP, KCU and KCK.

For Studio and Field Production

The comprehensive, modular design of the KCA 110 system makes it suitable for several applications in all television standards. In seconds the camera can be prepared for any type of application – by simply exchanging the adapter on the back.

It is also exceptionally practical to operate.

RGB chroma-key over the full bandwidth. Automatic cable length compensation. Level-dependent horizontal and noise-suppressing vertical aperture correction with a comb filter, to improve the cross-color performance. Precise registration. Extensive monitoring facilities and complete remote control, for the VTR as well: start-stop, record-playback, fast forward and rewind. And, finally, there is the Bosch colorimetry for outstanding color fidelity.

A system which creates new standards. A unique balance of ease of operation, picture quality and price. The KCA 110. From Bosch.

Robert Bosch GmbH, P.O.B. 429, D-6100 Darmstadt, Fed. Rep. of Germany; Fernseh Inc., P.O.B. 15068, Salt Lake City, Utah 84115, USA; Robert Bosch Ltd., P.O.B. 166, Watford, Great Britain; Robert Bosch (Australia) Pty. Ltd., Cnr. Centre and McNaughton Roads, Clayton, Victoria 3168, Australia; Robert Bosch Pte. Ltd., P.O.B. 4, Thomson Road, Singapore 20; Robert Bosch (Canada) Ltd., 6811 Century Avenue – Mississauga, Ontario L5N 1R1.

www.tvcameramuseum.org

- Diode gun LOC tubes
- High transmission prism
- Signal to noise ratio typically 55 dB (PAL/SECAM)
- Spot measurement
- Video gain +9 / +18 dB
- Integrated Genlock

BOSCH