

## European and American Television Cameras

	<b>Make</b>	<b>Bosch</b>
	<b>Model</b>	<b>KCA-100</b>
	<b>Country</b>	<b>Germany</b>
	<b>Camera Type :</b> Portable ENG colour	
	<b>Camera Description :</b> ENG camera, modern shape. "Professional" Hand-held Color Camera"	

Data		Data	
Tube details	3 x 18mm. XQ1427 Plumbicons	Line standards	625/50 525/60
Lens details	Zoom	Colour standards	PAL/NTSC/SECAM
Sig. to Noise	51dB (Pal)	Drives or locking	Genlock
Sensitivity	1250 Lux f2.8	Weight *	5.5Kg excluding. lens
Resolution	40% for 5Mhz bars	Colours	Brown/Light Brown
Viewfinder	3.7cm. Magnified viewfinder on arm	Dimensions *	274H x 114W x 375L mm.
Camera cable	Multicore, Triax, fibroptic, options	Date introduced	before Dec 1979 (2
Power supply	11-15 v. @ 27w. Or Base station		

\*Excluding Lens

### Associated equipment

Optional base station. A range of add on rear units to give: ENG, Battery, Genlock, Laser fiber, Multicore cable to base station. Optional 6" studio V/finder.

### Features

Auto; black, white, iris, centering. Automatic beam control. Light Bias.  
Fold down optics for easy service. Alphanumeric information in V/f picture.

### General description

Box for picture

### References

KCA100 product leaflet. WW. Dec 1979 page 95 (2)

### Innovations

Auto focus option using infra red laser.

### History

### Notes

Price in 1981 was quoted as £18,822 complete

### Fibre notes

The fiber add-on adaptors had part numbers of K-102.08.07 and K-110.06.20. The cable had a part number of K-110.07.25 with 6dB/km attenuation. It gives the fiber cable as; 5mm dia. 20Kg/Km, range 4Km, and 50mm min bending radius.. It goes on to describe two FM subcarriers on 11 & 12MHz. that are detected at the receiving end by an avalanche photodiode. Camera status and commands are transmitted in vertical blanking. Two low loss graded index cores are used within a plastic coated camera cable.