


European and American Television Cameras

	Make	Bosch
	Model	KCH1000
	Country	Germany
	Camera Type :	
	Colour studio camera.	
Camera Description :		
Multi standard & HDTV fully featured studio or OB camera.		

Data		Data	
Tube details	3 x High resolution mixed field tubes.	Line standards	1250/50 1125/60 1050/59.94
Lens details	f1.5 optical system & zoom		625/50 525/60 16:9 aspect ratio
Sig. to Noise	47 dB. No corrections.	Colour standards	RGB output
Sensitivity	1000 Lux @ f2.8	Drives or locking	Genlock
Resolution	50% at 600 lines 1200 lines limiting resolution	Weight *	33Kg.
Viewfinder	17cm. Tilts and swivels.	Colours	White/Cream
Camera cable	300m. max Length**	Dimensions	440H x 310W x 565L mm.
Power supply	110/220v 60/50Hz. 350W.	Date introduced	c. 1986

*Excluding Lens & Viewfinder

**a thick version of TV36 ??

Associated equipment

CCU, Master control panel, remote control panel, Joystick panel. CPH 1000 two dimension digital image enhancer. BCH 1000 HDTV 1" video recorder.

Features

General description

References

KCH 1000 product catalogue

- (1) WW Feb 1986 has a report on page 62
- (2) Engineering Information No. 34 & 35 (BBC)

Innovations

The control panels are connected to the CCU and to each other by "Cheapernet Bus". Automatic Lens Correction System.

History

Used on the BBC "Eureka" demos with CMCR13.

Notes

HDTV Camera based around the KCM 125 camera.

Used 3 staticon tubes with a special high resolution layer, it can resolve 27mhz at the 1250 line rate.

Technical note;

All noise, sensitivity and resolution figures depend on the tubes used.