


European and American Television Cameras

 <p style="text-align: center;">TTV-1600 Microcam Production version</p>	Make	Thomson-CSF
	Model	TTV 1600 Microcam Mk1
	Country	France
	Camera Type : Miniature colour camera for ENG/EFP, with hip pack.	
	Camera Description : "Microcam" ultra miniature colour portable ENG camera with hip pack.	

Data		Data	
Tube details	3 x Plumbicons 18mm.	Line standards	625/50 525/60
Lens details	Zoom 10:1 typical range	Colour standards	PAL/NTSC/SECAM
Sig. to Noise		Drives or locking	Genlock
Sensitivity		Weight	3.63kg. Cam. 1.64Kg. Hip pack.
Resolution		Colours	White - Cream
Viewfinder	3.8cm. 150ft. lamberts, 6.9Kv EHT (1)	Dimensions *	251H x 79W x 173L mm.
Camera cable	500/800ft to Aux./CCU	Date	1976
Power supply	10.5 to 20V 28W 1-2 Hours on battery	Dates used	

*Excluding Lens & Viewfinder

Associated equipment

TRE 3706 portable TX/RX, TRE3802 mobile TX/RX, TTV 3900 & 3905 portable 3/4" VTR. Aux. pack enables use with CSF1515 CCU. (1) Option of 4" viewfinder. A triax option was mentioned no details.

Features

Auto iris, black & white balance, colour balance with digital memory, 2 line aperture corrector, 3 position filter wheel, light bias, very low power consumption with quick start up and auto shut down at end of battery life. Range of zoom lenses available. VTR interface connector.

General description

It is a small triangular shaped camera that mounts to front of shoulder with the tubes in vertical fan. The head contains only the minimum of electronics. It has a small hip Pack containing the rest of the electronics, with belt or shoulder strap. The camera is nicely made with lightweight diecastings and quality electronic construction. A waistband brace to the camera was available.

References

Product Brochure. SMPTE Journal Volume 85 No. 9 Page 724 to 728. "Microcam I, A new concept in the design of portable colour cameras for broadcast application".

Developements

The most noticeable change from the early model is the connector to the hip pack is now at the front of the camera. Later developed to the TTV-1602 Microcam Mk2.

Notes

The product catalogue says "The Microcam was born on the other side of the Atlantic... It was produced as a result of the collaboration between CBS television networks and Thomson-CSF and it will be produced at the Thomson-CSF laboratories in Stamford, Conn., USA. Price Estimated at \$30K.