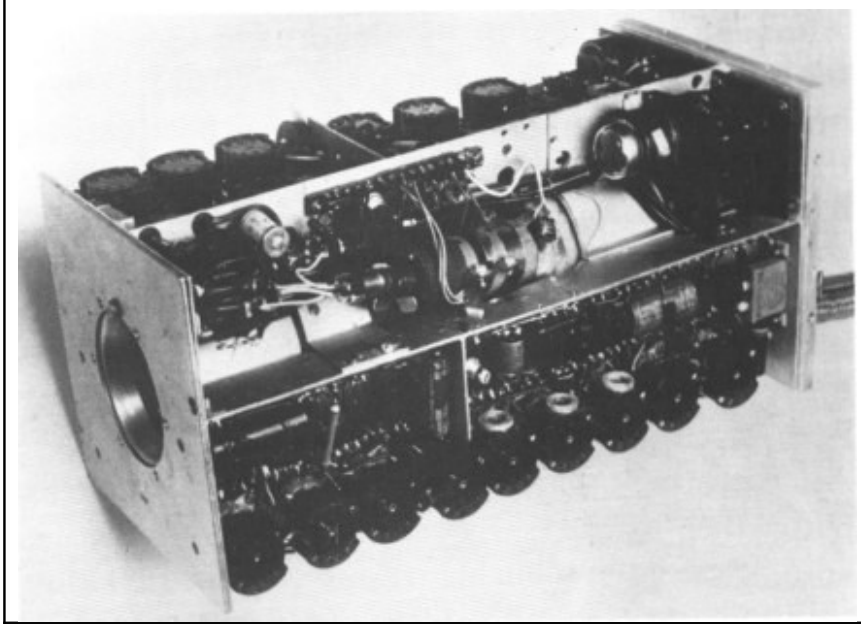
European and American Television Cameras



Make :	**Fernseh**
Model :	**HS293D**
Country	**Germany**

Camera Type :
Military Image Iconoscope

Camera Description :

Data

Tube details	Image Iconoscope
Len details	35mm.
Sensitivity	50lux @ f2.8
Resolution	
Viewfinder	Non
Camera cable	
Power supply	

Data

Line standards	224 lines vertical scanning 200/50 300/20 have all been mentioned
Colour standards	Mono
Weight	130Kg. inc. the transmitter
Colours	
Dimensions	17H x 17W x 40L cm.
Date designed	
Dates used	1941 onwards
Used by	Luftwaffe
Number built	400

Associated equipment
The secret war book says that they were used for missile guidance but they were also used on ships and remotely controlled vehicles. The ship-borne application used a transmitter in the 10m band. Two receivers were used one “Universal” with a 8x9cm picture and a “High Powered” receiver in a sealed container suitable for used at high altitudes or in the tropics.

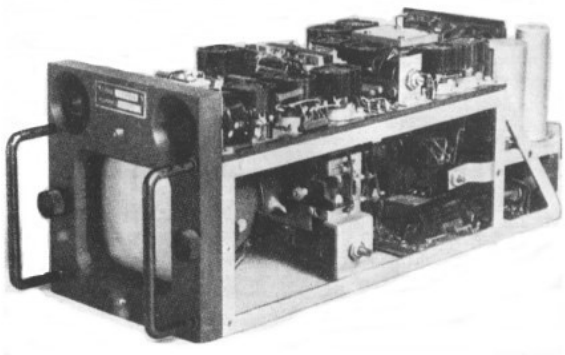
Notes
A 20 watt transmitter operating on 73cms. sent the output to the controlling bomb aimer. The range was approximately 20Km. In the camera 29 (maybe 19) Valves, of just two types RV12P2000 & RL12T1, were used in a single chassis measuring just 17*17*40cms. The secret War book shows the two receivers built for the system. A photo of the camera is in the Bosch reference.

References
WW. Feb 1983 page 62. By A Emmerson.
Bosch Technische Berichte 6 (1970) 5/6.
The Secret War, by Paul Johnston. Pub. BBC

Photo Reference

Innovations
Electrically heated front lens glass.
Automatic “diaphragm” (iris)

History



The universal receiver