European and American Television Cameras



Make	**RCA**
Model	**TK-47**
Country	**USA**

Camera Type :
Studio Colour

Camera Description :
Full facilities studio camera. Vertical format style tubes, fold out handles on both sides.

Data		Data	
Tube details	3 x Plumbicons 30mm XQ1410	Line standards	625/50 525/60
Lens details	Zoom	Colour standards	EIA , CCIR or SECAM
Sig. to Noise	49dB 1250 lux @ f4.0	Drives or locking	Genlock
Sensitivity		Weight *	39.9Kg.
Resolution		Colours	Blue and White
Viewfinder	18cm. tilts & rotates	Dimensions *	533H x 284W x 559L mm.
Camera cable	Multicore 2000ft	Date introduced	
Power supply	390W.		

* Excluding Lens & Viewfinder

* Less lens

Associated equipment
CPU is 5u high, RCU, (OCP) setup terminal, DSU (delegate switcher unit), TSU (transfer switcher unit) and TK76 companion camera.

Features
Computer controlled, totally automated setup live color camera

General description

References
SMPTE Journal Feb 1984 “Product Evolution Through Software”

Developments
Later B version was introduced at the 1982 NAB and described as "second generation".
TK47BT version with Triax.

History

Notes
RCA won an Emmy award in 1981for the camera design.
By 1983 over 500 TK-47s were operating worldwide.
HTV had 17 cameras at Bristol in 1982.
The set of 4 engineering handbooks are of exceptional quality- B.S.

Used By
Grampian, Thames TV and HTV in the UK

© Brian Summers Created on 11/22/2023