

European and American Television Cameras

	Make	EMI	
	Model	Sep. Lum	
	Country	UK	
	Camera Type :		Studio Colour
	Camera Description :		Experimental colour camera with 3 Vidicons and an Image Orthicon tube

Data		Data	
Tube details	3 Vidicons + 4.5inch Image Orthicon	Line standards	625/50
Lens details	Built in zoom	Colour standards	RGBY
Sig. to Noise		Drives or locking	4 standard pulses
Sensitivity		Weight *	
Resolution		Colours	
Viewfinder		Dimensions *	H x W x L mm.
Camera cable		Date designed	1963
Power supply			

*Excluding Lens & Viewfinder

General description

An experimental colour camera with 3 one inch Vidicons and a 4.5 inch Image Orthicon tube. It was built to evaluate the use of 4 tube in a R G B & separate luminance scheme. There are few pictures and little information.

References

August 1963 journal of the Brit. IRE page 107 &108. IBE "Early Developments".

History

Built in six weeks from a standard 4½-inch Image Orthicon camera (EMI203?) and an industrial camera (EMI204?) The Vidicons used the light not required by the stopped-down luminance Image Orthicon tube. It is said that the experience gained from this camera led to the development of the EMI 2001 camera.

Notes

A report about the EMI 4 tube separate luminance colour camera demonstrated to the BBC and the EBU delegates was given in the August 1963 journal of the Brit. IRE page 107 &108. It said the 4 ½ inch IO was used for the luminance and three 1 inch Vidicons were used for the chrominance signals.