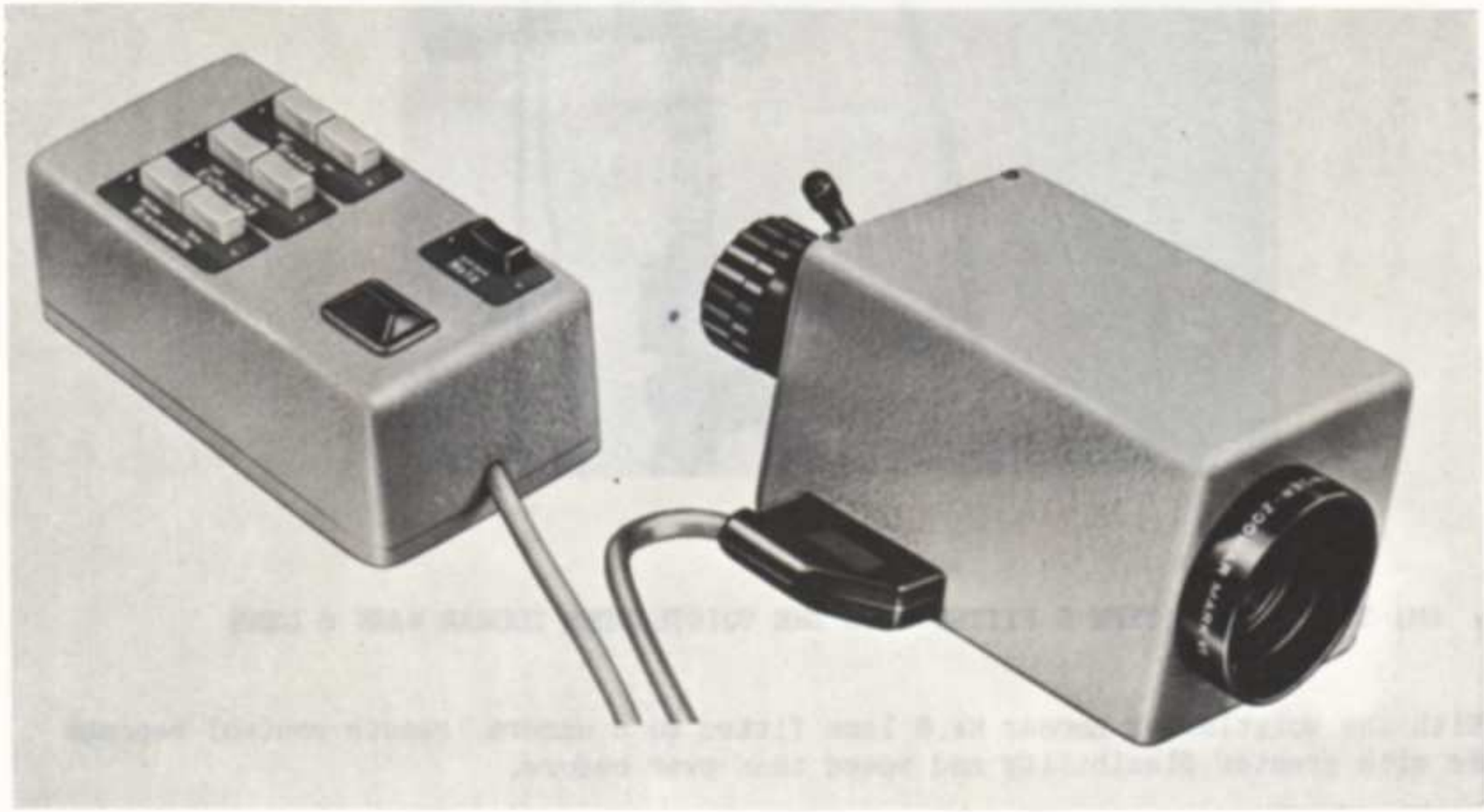
EMI

EMI ELECTRONICS LTD

Serving Science and Industry

INSTRUMENT DIVISION

VOIGTLANDER ZOOMAR MARK 6 ZOOM LENS FOR REMOTE OPERATION, TYPE 74680



VOIGTLANDER ZOOMAR MK.6 MOTORISED LENS TYPE 74680 WITH CONTROL BOX TYPE 74682

This zoom lens by Voigtlander has the following important features:-

REMOTE CONTROLLED ZOOM	with focal length versatility - Zoom time only 15 sec. 25-150 mm range for 12 element system 40-240 mm range for 14 element system
REMOTE CONTROLLED APERTURE	5 seconds for complete range Full aperture *f*3.5 for 12 element system *f*5.6 for 14 element system
REMOTE CONTROLLED FOCUS	10 seconds for complete range for object distances from 3½ ft to infinity. Very quiet in operation
SUPPLY VOLTAGE	110 or 220V ± 10% a.c. 50 c/s
DIMENSIONS	Lens Housing 5 in x 3.5 in x 3.25 in Overall length without auxiliary element 6.8 in Overall length with auxiliary element 7.2 in Control Box 5.8 in x 3 in x 2.5 in
WEIGHT	Lens Unit 2 lb Control Box 1 lb



EMI T.V. CAMERA TYPE 8 FITTED WITH THE VOIGTLANDER ZOOMAR MARK 6 LENS

With the Voigtlander Zoomar Mk.6 lens fitted to a camera, remote control becomes possible with greater flexibility and speed than ever before.

The zoom lens fits a standard 16 mm cine 'C' mount. This enables it to be fitted into a wide range of cameras. It is very suitable for use with the E.M.I. T.V. cameras Type 8 and the standard Mk.6 (BC600).

Remote control of the zoom, aperture and focus is effected by button switches on the control box. A nine core cable which can be up to 160 feet in length connects the control box to the zoom lens unit. Operation of the switches controls a 2½ volts d.c. supply to the motors in the zoom lens unit, which will still operate efficiently with a 15% voltage drop in the connecting cable. The lens can be operated over longer distances by using RELAY CONTROL.

The basic optical system consists of 12 elements, but an auxiliary 2 element unit can be screwed in with the 'C' mount between the zoom unit and the camera to increase the zoom focal length by 1½ times.

Both the zoom lens unit and the control box are of the high quality and precision which have resulted in Voigtlander being one of the foremost manufacturers of precision optical systems.

The Company reserves the right to modify the designs and specifications without notice

DS. 256/2

EMI

EMI Electronics Ltd Instrument Division

Hayes Middlesex England *(Controlled by Electric & Musical Industries Limited)*

Telephone: *Hayes 3888 Extension 2223* Cables: *Emidata, London* Telex: *London 22417*

www.tvcameramuseum.org