



Large-screen Monochrome Projector

Type V 6510

THE large-screen monochrome projector, Type V 6510, is designed to project a television picture on to a screen of up to 12 ft (3.7 m) by 9 ft (2.7 m) in size.

Features

- Long-term reliability and performance stability.
- Off-axis operation is possible in the horizontal plane.
- Suitable for continuous operation.
- Rapid fault rectification.
- Continuous attendance by skilled operator is unnecessary.

EQUIPMENT

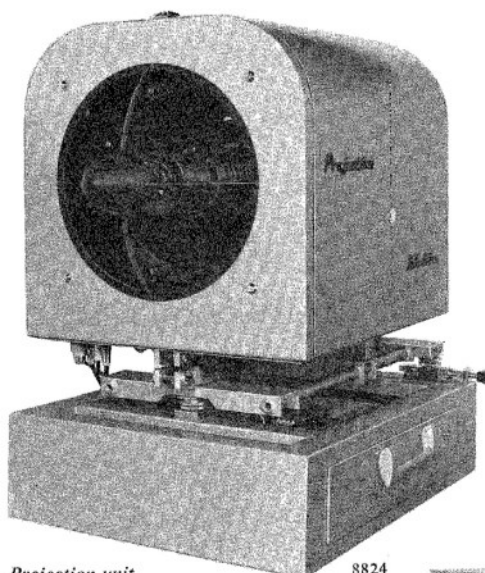
The picture is derived from a 5 in. (12.7 cm) projector tube mounted in a conventional Schmidt optical system. The optical head is separate from the main cabinet and may be operated up to a cable distance of 15 ft (4.6 m) away.

A special feature of this projector is the availability as an optional accessory of a horizontal keystone correction unit permitting off-axis operation in the horizontal plane.

Printed-wiring boards are mounted in easily withdrawable trays to allow rapid replacement in the event of failure. Careful circuit design and choice of components ensures long-term reliability and performance stability. All supply voltages are regulated and high-temperature silicon rectifiers are used throughout. Forced-air cooling is used to maintain the tube face at the correct temperature and to cool the cabinet.

Data Summary

Resolution: Not less than 550 lines/picture height over a centre circle equal to half



Projection unit.

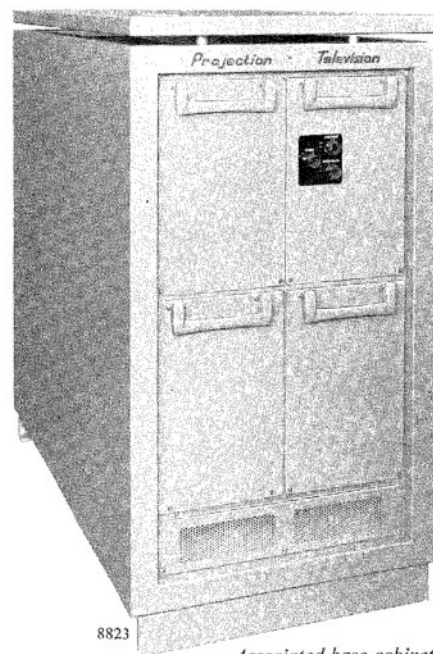
the total raster area. The corner resolution is at least 75% of that at the centre.

Dimensions:

Projection unit including base
 Height 2 ft 6½ in. (77.5 cm)
 Width 1 ft 9 in. (53.3 cm)
 Depth 3 ft 6¼ in. (107.3 cm)

Associated base cabinet
 Height 3 ft 10½ in. (117 cm)
 Width 2 ft (61 cm)
 Depth 3 ft 9 in. (114 cm)

NOTE: Throw distance can be varied by up to 10% either side of the figure shown for each optic without significant loss of performance, but with consequent variation in picture size and peak-white brightness.



Associated base cabinet.

Performance:

Optic	Throw distance	Picture size	Peak-white brightness
X23.5	15 ft 6 in.	7 ft 4 in. × 5 ft 6 in.	10 ft Lamberts
f/0.9	470 cm	220 cm × 165 cm	100 Lux
X38	25 ft	12 ft × 9 ft	4.5 ft Lamberts
f/0.7	760 cm	365 cm × 274 cm	45 Lux
X57	37 ft 6 in.	18 ft × 13 ft 6 in.	2 ft Lamberts
f/0.7	1140 cm	548 cm × 411 cm	20 Lux

Marconi

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