



Television Outside Broadcasting Unit (2-camera) Type B 4400

THIS NEW two-camera television outside broadcasting unit caters for low-budget requirements where a larger unit, such as the four-camera unit B 4400, cannot be employed.

The B 4400 is based on a standard commercial two-ton vehicle chassis and body and can be supplied with either a petrol or a diesel engine and left or right-hand drive.

Provision is made to house two complete Mark IV Camera Channels Type B 3096 together with associated equipment including Picture and Waveform Monitor Type B 3900.

Full synchronizing facilities are available, supplied by a Synchronizing Generator Type B 3600. Monitoring is on 14-inch picture monitors for the preview output of the vision mixer and also the transmission.

Both vision and sound mixers are provided on a production desk and the operators of these equipments have a clear view of the camera and preview monitors which are situated in a fascia panel.

The fascia panel housing the picture monitors and camera control panels is situated at the rear of the vehicle and the front faces of these units project through the fascia panel. Unwanted heat is removed by a pair of extractor fans situated in the roof. An air conditioner is also provided and this is mounted at high level in the fascia panel.

The front of the vehicle is occupied by a rack containing the camera-control and power supply units, together with the vehicle's mains distribution. Unwanted heat from this area is removed by extractor fans situated in the roof.

The voltage regulator for supplying mains to the equipment is situated in the area normally occupied by the passenger seat and behind this a fold-down rack is provided for storage of the cameras whilst in transit. Cable drums for camera, vision, microphone and power cables are placed on the floor behind the drivers seat.

Ancillary items such as line clamp amplifier, communication unit etc. are placed in convenient positions in the fascia panel together with the loudspeaker and amplifier and battery-operated clock.

Entrance to the vehicle is by sliding doors in the front two sides. A further pair of double doors at the rear gives access to the equipment behind the fascia panel and also to the vehicle termination panel.



9400

A ladder is stowed on these rear doors to give access to the roof which is reinforced to take the weight of one camera or vision/sound link and operator. The paraboloid for a vision link transmitter can be stowed on the roof whilst in transit, and space is provided on the floor of the vehicle for the other units associated with this equipment.

The vehicle is attractively finished inside with melamine-faced panelling on the walls, perforated hardboard ceiling, and lino tiles on the floors. The walls are insulated up to the drivers compartment. Both a.c. and d.c. lighting systems are available.

Stabilizing jacks are provided on all four corners and provision is made for a ball hitch to tow a diesel generator.

Typical schedule of equipment

- 2 image-orthicon cameras
- 2 camera control units
- 2 picture and waveform monitors
- 2 camera control panels
- 2 camera power supply units
- 1 vision mixer (includes line clamp amplifier)
- 1 synchronizing generator
- 1 communication unit
- 1 voltage regulator
- 1 audio mixer
- 1 loudspeaker monitor
- 2 14-inch picture monitors
- Microphones

Accessories (optional)

- 1 zoom lens

- 1 diesel/electric trailer power unit
- 1 commentator's unit
- 1 diascope with slides

Data Summary

Standards: 405, 525 or 625-line systems.

Power supplies: D.C or 200-240 V, 50 c/s single-phase a.c. or 90-120 V, 60 c/s single phase a.c.

Power consumption: 5 kVA approx. regulated. 3.5 kVA approx. unregulated.

Dimensions:

Height*	Width	Length	Wheel-base
8 ft 8 in. (2.7 m)	6 ft 9½ in. (2.06 m)	18 ft (4.4 m)	10 ft 3 in. (3.1 m) (3500 kg)

* 9 ft 1 in. (2.77 m) with paraboloid.

Weight of van (fully equipped) approx. 3.25 tons (3500 kg).

Marconi

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