


European and American Television Cameras

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|  | Make | Marconi |
| | Model | Mk VIIIp B3250 |
| | Country | UK |
| | Camera Type : Portable EFP/ENG Colour companion to the MkVIII studio camera | |
| | Camera Description : Large camera with 25mm tubes in vertical fan, multi core cable to Auxiliary pack. | |

Data

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| Tube details | 3 x 25mm. Leddicons P8022 |
| Lens details | Zoom, Special 6:1 to 10:1 ranges |
| Sig. to Noise | 48dB in flat channel |
| Sensitivity | 750lux @ f4 |
| Resolution | 100% @ 5Mhz with correction |
| Viewfinder | 1" monocular or 7" studio v/f, tilts |
| Camera cable | BICC T.1889 50 to pack, then 900m |
| Power supply | 100-125v 200-250v 48-60Hz 650 VA |

Data

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| Line standards | 625/50 525/60 |
| Colour standards | R G B outputs ext. Coder |
| Drives or locking | Mono pulses |
| Weight * | 6Kg. |
| Colours | Two tone Grey |
| Dimensions * | 426H x 106W x 368L mm. |
| Date introduced | 1974 |

*Excluding Lens & Viewfinder

Associated equipment

Companion camera to Marconi MkVIII studio camera, connects to MkVIII CCU B3217 Choice of lenses and viewfinders. Electronics Pack with optional trolley, PSU B3218, Control panels B3219, coder B3373, full range of studio equipment.

Features

Auto colour balance, Auto Line up with external diascope, printed scanning coils, Visual auto test facility, Factory matched optics. Comprehensive monitoring controls. The settings for auto line up and colour balance were stored in motor driven potentiometers.

General description

This companion to the Mk8 is a first generation portable colour camera and like its contemporaries it is a two box solution, the tubes and head amps and line scans are in the camera and every thing else in an adjacent "auxiliary pack". The separation from camera to auxiliary pack was up to 50m and then 900m to the same CCU as the MkVIII. They are built to a high, near military, standard but are a bit cumbersome and still delicate. I found the "camera forward" position with the shoulder pad behind the tubes more comfortable than the camera behind position. With the chest brace it was surprisingly "wearable". The twin front hand grips worked well for me. The circuitry uses transistors and TTL logic so I think they can be kept working well into the future. It's achilles heel is the size and weight of the CCU, and the PSU, a mostly linear one, is just heavy. This is a big portable camera and fully dressed it was quite heavy. It had a substantial shoulder pad and it could be used with a "chest brace" as the camera is well forward of the shoulder. The tubes are arranged in a vertical fan.

References

Communications and Broadcasting 1974 Volume 1 No. 1 (a Marconi publication). BBC report dated May 1976. Marconi showed their "Mini Mobile" Ob Van at the 1977 Montreux symposium equipped with two Mk8Ps.

Notes

Not many were sold in the UK and 28 were exported a total of about 36? The BBC had just 1.