

dTs 1500 Triax/Coax Camera Control System

- Broadcast Multiplex System
- Supports many cameras/camcorders
- Supports camera manufacturers RCP/OCF
- Triax or Coax cable remote operation
- 1U Basestation – stackable for OB truck
- Universal mains supply – low power
- BS can supply 100W power to triax adaptor
- RGB, YUV, 2xVBS, Sync, Monitor o/ps
- Built-in dual SDI outputs
- QTV and VF return video channels
- Dual channel digital microphone audio
- Dual channel digital IFB/Intercom audio
- Extensive intercom & tally system built-in

The dTs1500 Camera Control System comprises a BS1510 basestation plus a TA1520 Triax Adaptor. The system provides extensive remote broadcast quality facilities through either triax cable (up to 1500mtrs) or coax (coax) cable (up to 500mtrs) and can be configured for many different Cameras/Camcorders. The BS1510 supplies power for the TA1520, cam head/lens and external 12V up to a total of 100W.



Special version TA1520 – rear view



BS1510 – rear view



A special version of TA1520 docked with an Ikegami HK-399PW camera head.



BS1510 Front Panel view

Camera control data signals are transmitted in both directions allowing gallery remote control either by the camera manufacturers RCP/OCF or the dTs2040 OCU.

An RS232 link is also included for control of external equipment e.g. pan & tilt.

12V @ 50W is available at the TA1520 for external use e.g. QTV or pan & tilt. An optional QTV video channel is available as well as a viewfinder (VF) video return channel (standard). The VF channel has 2 inputs on the BS1510 selectable from the TA1520.

Two digital mic channels from TA to BS are available, Mic1 from the camera and Mic2 via a rear connector on the TA. Both channels offer gain control from 0 to 60dB in 10dB steps. Mic2 has switchable phantom power.

Two digital intercom/IFB channels are built-in from BS to TA. Headset mics can be either Carbon or Dynamic.

Full genlock facilities are available at the BS.

2 x SDI outputs are built-in and conform to ITU-R BT.656 / SMPTE 259M.

Specifications

General

| | | |
|-----------------------------------|-----------------------|---|
| Cable transmission system | | RGB freq. multiplex |
| Video Standard | | PAL or NTSC |
| Power i/p voltage | | 90-260 VAC |
| Power (cam, small VF, small lens) | | 86VA typical |
| Size (mm) – | BS TA | W483 x D374 x H44 W132 x D194 x H212 |
| Mass - | BS TA | 6.3 kg approx 2 kg approx |
| Operating triax/coax distance | | |
| | PSF1/3 coax | 50 - 500m |
| | Fujikura 8.8mm triax | 75 - 750m |
| | Fujikura 14.4mm triax | 150 - 1500m |

Triax/Coax Signals

TA ► BS

| Signal | description | BS output |
|---------------|-----------------------|---|
| Video | 7MHz b/w | RGB BNC YUV BNC VBS x 2 BNC Monitor BNC Sync BNC SDI x 2 BNC |
| Prog. Mic 1&2 | Digital 20 kHz b/w | Mic 1 – XLR5 Mic 2 – XLR5 |
| Intercom1 | 5 kHz b/w | Intercom1 2w or 4w 25w D |
| Intercom2 | 5 kHz b/w | Intercom2 2w or 4w 25w D |
| Cam Ctrl data | return | to RCP/OCP |
| RS232 | 19k2bps max | external 9w D |
| dTs data | return | internal |

BS ► TA

| Signal | description | TA output |
|---------------|-------------|---|
| Ret Video | 5 MHz b/w | Return Vid (internal) |
| QTV video | 5 MHz b/w | QTV (optional BNC) |
| APC carrier | genlock | sync to TA & camera |
| Intercom1/IFB | 16 kHz b/w | Headset or Utility skt |
| Intercom2/IFB | 16 kHz b/w | Headset or Utility skt |
| Cam Ctrl data | command | to Camera |
| RS232 | 19k2bps max | external 9w D |
| dTs data | data | internal |
| Tally Red | data | internal & to cam |
| Tally Green | data | internal & to cam |
| Power | 280VDC | external skt 12VDC external cam 12VDC internal TA power |

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