



SONY HDC 950 with HKC-T950 Adaptor

The Sony HDC 950 with HKC-T950 adaptor camera is a 3 CCD 2/3" HD camera where the optical block (HKC-T950) is split from the main camera body for utilisation as a lightweight and compact camera head without loss of picture quality and functionality. The camera, which is switchable across all the common HD formats can be used as part of a camera chain with SMPTE fibre back (fibre to triax

adaptors also available) and CCU, or as a standalone unit for use with a HD microwave link or alternatively direct to tape, allowing for seamless integration into the HD broadcast and production environment.

Technical Specifications

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|--------------------------------------|---|
| HD FORMATS: | 1080/50i, 60i, 30P, 25P, 24P |
| POWER CONSUMPTION: | 25W (in stand alone use, without options) |
| OPERATING TEMPERATURE: | -20°C to 45°C (-4°F to 113°F) |
| STORAGE TEMPERATURE: - | 20°C to 50°C (-4°F to 122°F) |
| MASS APPROX: | 5.1KG (112lb 7oz) |
| | Cable adaptor approximately 0.5KG (11lb 2oz) |
| | CCD block adaptor approximately 0.85KG (1lb 14oz) - adaptor only |
| | CCD block adaptor I/F approximately 1.65KG (3lb 10oz) - with CCD block |
| CAMERA CABLE: | CCZ type 26 pin (Male) |
| MIC IN: | XLR-3 (Female) |
| VIDEO OUT (HD Y): | BNC x 1 |
| LENS: | 12 pin |
| VF: | 20 pin |
| INCOM: | XLR-5 (Female) |
| CABLE ADAPTOR I/F | CAMERA CABLE: CCZ type 26 pin (Female) |
| | MIC OUT: XLR-3 (Male) |
| | VF: 20 pin |
| | INCOM: XLR-5 (Male) |
| IMAGER | IMAGER: 2/3 type frame interline transfer CCD |
| | METHOD: 3-CCD, RGB |
| | EFFECTIVE RESOLUTION: 1920 (horizontal) x 1080 (vertical) |
| ELECTRICAL CHARACTERISTICS | |
| | SENSITIVITY: F10.0 (at 2000lx with 89.9% reactivity) |
| | MINIMUM ILLUMINATION: 10 LUX (F1.4 12dB gain up) |
| | IMAGE SIGNAL TO NOISE RATIO: 54dB or more (typical) |
| HORIZONTAL RESOLUTION: | 1000 TV lines |
| DYNAMIC RANGE (1080/60i mode): | 600% |
| REGISTRATION: | Within 0.02% (all zones, without lens) |
| SHUTTER SPEED SELECTION (1080/60i): | 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000 (s) |
| GAIN SELECTION: | -3, 0, 3, 6, 12 dB |
| OPTICAL SYSTEM SPECIFICATIONS | |
| SPECTRAL SYSTEM: | F1.4 prism |
| BUILT-IN FILTERS: | Colour temperature conversion filters A: cross lter B: 3200K (clear) C: 4300K D: 6300K E: 8000K |
| | ND filters 1: Clear 2: 1/4ND 3: 1/8ND 4: 1/16ND 5: 1/64ND |

