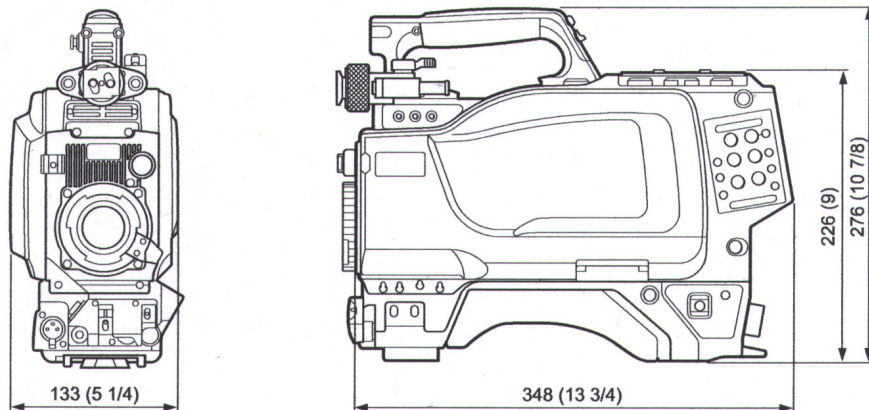


SONY HDC 950 WITH HKC-T950 ADAPTOR

The Sony HDC 950 with HKC-T950 adaptor camera is a 3 CCD 2/3" High Definition 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.

The Sony HDC950 with HKC-T950 adaptor can be hired as a standalone unit or as part of a range of ACS high definition systems from remote heads to stabilised mounts and provides the perfect solution for High Definition POV camera tracking and aerial broadcast applications without the need to compromise on camera performance.



Unit: mm/inches



Technical Specifications

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 (11lb 7oz) Cable adaptor approximately 0.5KG (1lb 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% reflectivity)
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 filter	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	

SERVO FILTER CONTROL:	Yes
LENS MOUNT:	Sony bayonet mount

LASER DIODE PROPERTIES

MATERIAL:	inGaAsP
WAVE LENGTH:	1310 +/- 40nm
EMISSION DURATION:	Continuous
LASER OUTPUT POWER:	141 +37 -19mW

INPUT/OUTPUT CONNECTORS

OPTICAL FIBRE CABLE INTERFACE:	SMPTE 304M based optical fibre connector (x1) 1.5Gb/s optical fibre digital transmission SMPTE 292M, DC 180V
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VTR:	CCZ, 26 pin (1)
CCU:	Elector-multi connector (1)
LENS:	12 pin (1)
VF:	20 pin (1)
MIC IN:	XLR 3 pin, Female (1)
AUDIO IN 1,2:	XLR 3 pin, Female (1)
EARPHONE OUT:	Minijack (1), 8ohms
DC IN:	XLR 4 pin (1), 10.5 to 17 V DC
HD SERIAL OUT:	BNC type (1)
INCOM 1 & 2:	XLR 5 pin Female (1)
TEST OUT:	BNC type (1)
GENLOCK IN/RET IN/PROMPT OUT:	BNC type (1), 1 Vp-p, 75 ohms
RET CONT:	6 pin (1)
REMOTE:	8 pin (1)
TRACKER:	20 pin (1)
EXT I/O	20 pin (1)