



Main Features

- H.264 very low latency SD / HD AV encoder
- HD-SDI / 3G HD-SDI / HDMI / Composite input
- 4:2:0 & 4:2:2 up to 1080P30 / 1080i60
- 4:2:0 up to 1080P60
- Integrated camera control
- WiFi control (option)
- Video streaming over RJ45
- Headset support (talkback) (option)
- Advanced thermal management
- Up to 250mW power output
- DVB-T modulation
- LMS-T proprietary modulation for optimised mobile performance
- Link Digital Pre-Distortion
- Integrated UHF receiver for camera control
- Deep interleaving

Overview

□ HDwireless has designed a new professional steadicam solution for the SONY HDC-P1 camera body, that comes with a total weight of under 7 kg

□ MPEG-4 Decoding, low latency 20ms delay, total running time of more than 3 hours with a standard IDX battery pack and of course a unique HDwireless design are some of the facts, which made this camera to the first choice of steadicam operators

Transmitter:

- L1750-1927 1.95GHz to 2.7GHz frequency range
- DVB-T at bandwidths of 6 / 7 / 8 MHz
- LMS-T proprietary modulation for enhanced mobile operation
- LMS-T bandwidths of 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 20 or 24MHz with 2 carrier density options
- Optional Link Digital Pre-Distortion for enhanced adjacent channel performance

UHF Receiver:

- 410MHz to 490MHz frequency range

Encoder:

- 20ms to 1340ms latency depending on operational mode
- H.264 4:2:2 8-Bit to 1080P30 / 1080i60 to high 4:2:2 level 4.1
- H.264 4:2:0 8-Bit to 1080P60
- 2 stereo audio pairs MP1L1 and MP1L2
- 1920 & 1440 horizontal resolution at 1080

Video Inputs:

- SDI / HD-SDI
- HDMI (Type-D)
- Composite

Audio Inputs:

- Embedded audio over SDI / HD-SDI
- 1 analogue audio stereo pair (Lemo)
- Mic / Line level support with phantom power

ASI (Lemo):

- Input (for service multiplexing)
- Output

Network (RJ45):

- 100Mbit/s Ethernet
- Input Transport Stream over UDP (for service multiplexing)
- Output Transport Stream over UDP or RTP
- SNMP control
- Integrated webserver for control

Network (WiFi):

- 2.4GHz / 5GHz
- Mobile phone / tablet friendly web pages

Headset (3.5mm jack):

- Headset microphone audio sent with video
- Future support for talkback (subject to confirmation)
- Primary audio channel monitoring

User Interface:

- OLED display for enhanced visibility

Power Consumption:

- Nominally 15W in standard configuration

Environmental:

- Operating Temperature: -10° C to +50 C

wireless camera systems - ... there is a picture in the air!