



HD RUNNER III

- ✓ The HD RUNNER III is the latest and greatest generation of wireless camera transmitter from Livetools Technology. The modular approach and the technical qualities make it the most flexible and adaptive offer on the market for wireless SD/HD portable applications.
- ✓ Advanced custom OFDM modulation, variable bandwidth: 4,8,10,20MHz; custom bandwidths available on demand. The base version include a 100mW radio output; adding a radio module allow transmissions in several large frequency bands, between 1.4 and 7.9GHz with 1W output power for more demanding applications
- ✓ Advanced H264 encoding, 4:2:2 profile, up to 1080p60; four high-quality audio channels, ultra-low delay, down to 33ms
- ✓ Embedded camera control for the most common professional camera brands
- ✓ High-quality graphical color display for local control, easily readable
- ✓ Multiple audio, video and data interface for maximum flexibility
- ✓ Compact-flash recording and easy upgrade, with regular releases for features evolutions
- ✓ Reduced power consumption and size

Specifications

- ✓ Frequency bands:
 - Base module: 1.38 – 2.00GHz, 1.89 – 2.49GHz, 3.20 – 3.80GHz, +20dBm (100mW) output power
 - With additional radio module: +30dBm (1W) output power, several bands available
- ✓ 2x 3G-SDI video inputs
- ✓ 4x balanced audio inputs
- ✓ H264 compression, 4:2:0 and 4:2:2 profiles
- ✓ Up to 1080p60 video format
- ✓ Ultra-low delay down to 33ms
- ✓ Ethernet port (control, streaming)
- ✓ RS232/422 Serial port
- ✓ DVB-T or custom DPRO modulation, bandwidths up to 20MHz
- ✓ Thermally and electrically protected
- ✓ Weight: 1.5Kg (additional radio module included)
- ✓ Size: 205 x 105 x 50mm
- ✓ Power consumption:
 - Base module: < 18W
 - With additional radio module: < 35W

Options

- ✓ Additional radio module with large frequency ranges, available between 1.4 and 7.9GHz, +30dBm (1W) output power
- ✓ UHF wireless camera control (Sony, Grass Valley, etc).
- ✓ Proprietary DPRO modulation scheme for difficult mobile applications

Applications

- ✓ Outdoor links: more than 10km in line of sight
- ✓ Broadcast-grade audio and video quality
- ✓ Exceptionally robust in mobile urban scenario
- ✓ DTNG

References

- ✓ Cycling: Tour de France (starting for more than 10 years), Tour of California, Tour of Qatar, etc
- ✓ Olympic Games: Athens 2004, Beijing 2008, Sochi 2014
- ✓ Marathons: Paris, Beijing
- ✓ Triathlons: Hamburg, Stockholm, Beijing, London finals
- ✓ Events: Bastille day Military Parade, Roland Garros, The Voice, etc

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