

HDT PRO

High Definition Telemetry Professional (HDT PRO) is a lightweight, low latency 4K video and telemetry streaming system for any mobile application.



High Definition Telemetry PRO

Ultra-low latency

HDT PRO broadcasts low latency high-quality 4K video at low bit rates. Ultra-low latencies are suitable for remote broadcast studios and real-time monitoring, feedback, and control. Utilizes the latest 4G/5G technology to stream 4K video and full-duplex RS232 telemetry.

Light Weight & Durable

HDT PRO weighs in at 0.825 lb. It withstands harsh environments: high temperature, vibration, water, and dust. The small housing is durable synthetic polyamide (nylon). It features two unique cable tie mounts making it fast and easy to install in any mobile or wearable application.

Interfaces

HDMI Input: Connect GoPro, V-Box, or any HDMI camera.
Full duplex RS232 port. Connect any RS232 telemetry stream or GPS
Power input: 7-36 VDC.
SMA Antenna ports: MIMO dual diversity 4/5G antenna.
Dual SIM card slot provides automatic failover and carrier diversity.
Configurable input and output. Monitor digital and analog inputs or digital output control. (Optional)
Micro SD Card slot, record video. (Optional)
External Analog Audio input. (Optional)
WIFI connectivity (Optional)



www.510connectivity.com
1-949-315-5403

HDT PRO Specifications

Video Input

HDMI Input

Video Input Resolution

3840x2160p 30/29.97/25/24/23.98 Hz
1920x1080p 60/59.94/50/30/29.97/25/24/23.98 Hz
1920x1080i 60/59.94/50 Hz
1280x720p 60/59.94/50/30/29.97/25 Hz

Video Compression

H.265
H.264
Bitrate 40Mbps
Configurable:
GOP IBBP
CBR/VBR
Frame rate
Resolution

Video IP Network Interface Protocol

SRT, RTSP, RTMP, RTP, HLS, FLV, ONIF, TS

Video Input Audio

Bitrate 384Kb/s @ 24bit
Encoding G.711A, MP3, AAC, AAC+, AC3, MP3, MP2

Made in America.

Cellular Download Speed

Max 600 Mbps

Cellular Upload Speed

Max 150 Mbps

Cellular Carrier

AT&T_FirstNet
Verizon
Sprint
US Cellular
Tellus
*Dual SIM Slot

Serial

TCP, UDP, Modbus
Max Baud 115200
Full Duplex. RX/TX

Power

Voltage Input 7 to 36 VDC @ 1.2A Max

Temperature

-40 °F to 167 °F (-40 °C to 75 °C)

Construction

Synthetic polyamide (nylon)

Weight

0.825 lb

