



## HD 7000

Cellular Live Broadcast System

### Mobility:

Anywhere 2g/3g/4g/Wi-Fi/bgan/land line is available. All device features can be changed via any smart phone or global web interface.

### USB Modem Connection:

7+3 MODEMS 2G,3G,4G (USB MODEMS FROM : EUROPE, AMERICAS, ASIA, AFRICA, AUSTRALIA 850/900/1700/1800 /1900/2050/2100MHZ BAND SUPPORTED) Extra USB port for data save features. 46 different type of sdcards can be used without any adapter for data save and Store&Forward.

### LAN & BGAN:

Optionally like Inmarsat BGAN, Thuraya IP-Modem. LAN supported via Ethernet ports. Wi-Fi 802.11 Wi-Fi 802.11 b/g/n wireless connection.

Multiple Wi-Fi connections available. Guest Mode, Private Mode and Access Point mode can work simultaneously.

### Network TX:

One 10/100/1000, Base-T-Ethernet Port, Half/Full Duplex, Auto-Sensing: RJ-45 connector

### Communication:

Wi-Fi included

### Power Input:

12.0VDC- 14.5 VDL

AC Power Adapter:

Micro charge adapter can charge up to 4 Batteries Simultaneously.

### Battery:

96 watt-hours, 14.8V 6.5Ah V-Mount

\*Batteries in any state of charge can be linked to combine capacities

\*(2= 192Wh, 3 = 288Wh) UN tested and flight-friendly

### Usage Time:

6 hours with 6 modems (longer depending on the number of modems used)

### Battery Level Indicator:

LED

### Monitoring:

Data rate, latency, status of modems, Encoding start/stop, Screen size adjustment (4:3 or 16:9), Ability to change the bit rate (low,Medium,high), Being able to change TX settings via any smart phone.

All MONITORED data can be ACCESSED on RX and TX.

All CONFIGURATIONS can be controlled via RX.

### Video Mode:

User selectable: CIF, DI, 720P 1080i, 1080p/30

### Data Storage:

FTP,SDCARD,Internal HD

### Environmental:

ideal for outside coverage at severe weather condition. Transmission from a moving vehicle.

### Temperature:

Non-Working: -40C - 70C Celsius and while working -5C -45C Celsius

### Humidity:

20-80 %

### Cooling:

Fan

### Dimensions:

140 mm x 220 mm x 75 mm

### Weight:

0.9 kg (without battery and Carrying Case)



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## TRANSMITTER SPECIFICATIONS:

### Video Input:

HD-SDI, HDMI, Composite

### Video Input Type:

75 Ohm Video Resolution: Ranging from QCIF, CIF (360x288), Half D-1, Full-D 1, HD:720p25/30, 720p50/60 and 1080p/60

### Video Encoder

H264 AVC High Profile @ 400 Kbps to 20 Mbps

### Video Format:

NTSC, PAL: Automatic, Supports 4:3 and 16:9

### Audio Input:

Digital Stereo. Selectable Analog Jacks, any pair from Embedded HDMI or SDI audio

### Audio Encoder

AAC-LC ADTS, AAC-LC LATM, PCM and AC-3 Passthru (Audio Video Lip-Sync Provided Automatically)

### Optional Audio Codecs

AAC-HE ADTS, AAC-HE LATM, Mp2

### Audio Bitrate:

64 kbps to 192 kbps

### Audio Encoding:

AAC, MPEG 1, MPEG2, MPEG4 (Audio Video Lip-Sync Provided Automatically)

8 GB standard internal data storage;

Additional data storage up to 128 gb available (optional)

### Supported Technologies:

2G,3G & 4G : Edge/ GPRS, HSPA+, HSUPA, HSDPA, LTE, Wimax, CDMA

### Quality of Service:

Uplink Bonding up to 12 network links. Cellular uplink bonding up to 9 integrated modems simultaneously with additional Ethernet and Wi-Fi options. SIGNAL ENG Patented packet error correction and packet recovery system.

### Latency:

Delivers broadcast-quality signal with 3-6 sec latency (Depending on cellular wireless & wired network connections).

### Time to Air:

1 min-1,5 min (from cold start) Fastest 3g device on the market.

### ON/OFF Button:

Lighted key

### Data Features

\***Transmitter** Ability to save data on flash memory while transmitting live stream

\***Receiver** Ability to save data on flash memory while receiving live stream

Ability to reach saved data in the receiver via FTP