

Portable 5G/4G Bonding Video Streaming Encoder

Palm Size Encoder, Streaming Router plus HDMI+SDI Live Collage

LiveV400 opens 5G live streaming era. It is a high definition, dual video input bonding streaming encoder plus video router. It is professional, rugged, small form-factor, light weight and standalone for field and mission critical streaming applications. It is a cost effective, easy to use, user friendly encoder with tripod mount and hot shoe. The encoder supports popular USB Type-C charger WIFI 6 and a range of innovative modern features.

Video router feature makes RTMP and RTSP streaming from camcorder relay to LV400 and aggregate to cloud server via LAN, WIFI and multiple 4G/5G networks possible.

LiveV400 can push streaming video over multiple aggregated network connections including 1x5G/4G+5x4G, LAN and WIFI-6. Offers up to 8 network aggregation. With proprietary UMB Bond Link technology and cloud bonding server, LV400 can provide increased bandwidth efficiency with low latency, adaptive network payload balance and resend control for mission critical live events freely without concern for poor connectivity. It can also forward and distribute video to up to 9 CDN simultaneously from cloud.

The encoder has 4.3" touch screen, user-friendly operation, camera video collage preview, live video switch, setup and working status. It has full touch screen UI and full control of encoder. Local and remote encoder setting by PC or phone are also supported responsive in browser.

Two video camera inputs can be supported at the same time. More uniquely, two videos can be live switched with creative 6 standard pre-defined video collage layouts, such as Picture in Picture (PiP), Split or single etc. and 2 customized layouts.

With powerful internal battery, standalone encoder can work up to 6hr dependent on how many bonding channels used. The battery can be fully charged quickly in ~2hr by USB PD charger up to 60W. And any USB TYPE C power bank can be used as a convenient power backup.

The state-of-art LiveV400 can be widely used in various business activities such as news station, government, product launch, open ceremony, education, training, surgical operation, drone aerial video, wedding ceremony, sports event, public welfare activities, group activities and so on.



Highlights:

- ◇ Internal 1 x 5G/4G + 2x4G, Optional 5G SA/NSA or 4G LTE
- ◇ Support up to 3 x USB 4G Dongles
- ◇ Up to 8 aggregated connections, 1x5G/4G+5x4G, LAN, WIFI-6
- ◇ 5G, 4G LTE global band support worldwide
- ◇ Propriety UMB link with adaptive network aggregation with high bandwidth efficiency and lowest latency
- ◇ Video router accepts RTMP or RTSP video stream in LAN
- ◇ Palm size, light weight and portable best for field live streaming
- ◇ Creative dual camera inputs, live collage switch and preview with 6 presets and 2 customized layouts by easy-to-use drag and drop
- ◇ Up to 20mbits/s video encoding and streaming aggregation
- ◇ Up to 9 streaming forward to CDN distributions supported
- ◇ Large 4.3" LCD touch screen display for video, status preview and configuration
- ◇ Standalone up to 6hr+ long streaming with powerful internal battery
- ◇ USB TYPE C power bank and travel charger up to 60W supported
- ◇ Unique power design make it connect to any DC power possible
- ◇ QR Code scan for quick configuration by mobile phone. Local and remote management by mobile phone and PC
- ◇ Advanced hardware H.264 MP/HP video codec for highest stability
- ◇ AAC audio encoder with HDMI/SDI embedded audio support
- ◇ Analog or embedded audio input and analog loop output
- ◇ Automatic dual input resolution, format detection, no professional setting required
- ◇ Powerful and flexible OSD, text, logo and stamp supported with easy-to-user configuration
- ◇ SDI loop out. Configurable HDMI loop out
- ◇ With standard camera tripod mount
- ◇ Support YouTube, twitter, Facebook and Twitch etc.
- ◇ Based very stable Linux system. Local and online upgrade available
- ◇ Onboard video recording to TF for backup or post event editing
- ◇ Optional GPS/gForce
- ◇ OEM/ODM for encoder and DVR applications

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Professional live video streaming anywhere and anytime

Specification

Power:

Power Adapter : USB TYPE C, up to 60W 20V
15-20V DC Power Compatible
Battery : Lion, 19AH, Fast Charge
Consumption : 18V@~1.15A Single~Aggregation

Video:

Encoder : H.264/AVC MP/HP
Resolution : 1920x1080p25/30/50/59.94/60/, SD
1920x1080i50/59.94/60, 720p50/60
Bitrate : 256K - 20Mbits/s
Frame Rate : 25/30
Latency : <200ms
Storage : mp4

Network:

Streaming : RTMP, RTMPS, RTSP
WIFI-6 : 802.11b/g/n/ac/ax, 2.4/5.8GHz
4G : LTE, WCDMA, Global Bands
5G : SA/NSA, LTE, WCDMA, Global Bands
LAN : 100/1000Base-T
Bonding : 1x5G/4G+2x4G
optional 3x4G+LAN+WIFI
simultaneously up to 8
Distribution : 9 via aggregation server

Audio :

Sample : 48KHz
Encoder : AAC, 128Kbit/s
Channel : Dual, AGC
Input : 0.7VRMS, 20K
Output : 16 ohm, 30mW
MIC : 2.2V, 2.2K, 60db Gain adj.

Input:

Streaming : RTMP, RTSP
SDI : SD SDI, HD SDI, 3G SDI
SMPTE 296M/274M/292M
HDMI : 1.4a
Audio : SDI/HDMI Embedded, Analog Input

Management:

Configuration : Mobile Phone, PC
WEB : Local or Remote
LCD : Touch UI

Interface:

SDI Input : 1 x BNC, 75ohm, 800mVpp
SDI Loop Out : 1 x BNC, 75ohm, 800mVpp
HDMI Out : 1 x Mini HDMI
HDMI Input : 1 x Type A
Audio Input : 1 x 3.5mm Jack
Audio Output : 1 x 3.5mm Jack
Ethernet : 1 x RJ45
4G : 3 x SMA/M
5G : 4 x SMA/F
USB : 3 x USB
SIM : 3 x Nano SIM Auto Eject
Storage : 1 x MicroSD/TF
Sound : Buzz
Indicator : Charging LED
Display : 4.3" IPS LCD, Touch
PTZ : VISCA over IP

Others:

OSD : Text, Logo Caption, Time Stamp
Collage : 6 standard mdes and 2 customized
*OSD and Collage only works for encoder

Physical

Size : 131x 85 x 42mm(5.15" x 3.34" x 1.65")
ABS black
Weight : 596g (1 lb 5oz) with battery
Temperature: 0°C to 45°C

Certification

CE, FCC

Ordering

30501-0mn: m x 5G, n x 4G
m=0,1; n=2,3

Accessories

USB TYPE C Charger x 1
5G Antenna x 3*m
4G Antenna x n
Hot Shoe x 1
*USB LTE Dongle (Global bands)
*Accessories is optional and sold separately.



* All specifications are subject to change without notice.
* Accessories may be different for different product options.
* Actual object may differ from what shown in catalog.