

TERADEK Serv 4K

Serv 4K: 4K HDR Encoder for IP Video

Serv 4K is Teradek's newest wireless video encoder that allows you to stream live 4K HDR video from your camera, video switcher, or DIT cart to multiple iOS/Android and MacOS devices or CoreCine. Serv 4K can encode up to 4Kp60 video with stunning 10-bit 4:2:2 image fidelity. Serv 4K supports Secure Reliable Transport (SRT) and can be connected to Teradek's Core Cloud Platform for even more flexibility.



VIDEO

Video Inputs	1x SD/HD/3G/6G/12G-SDI (75 Ω BNC) 1x HDMI 2.0 Type-A receptacle
Video Outputs	1x SD/HD/3G/6G/12G-SDI (75 Ω BNC loop out)
Supported Resolutions	4K DCI p23.98/24/25/29.97/30/50/59.94/60 4K UHD p23.98/24/25/29.97/30/50/59.94/60 1080p 23.98/24/25/29.97/30/50/59.94/60 1080i 50/59.94/60 1080PsF 23/24/25/29/30 720p 50/59.94/60 576i 480i

VIDEO PROCESSING

Video Compression	ISO MPEG-4 Part 10: Advanced Video Coding (AVC)/ITU H.264 AVC: Baseline profile, Main profile, High profile ISO MPEG-H Part 2: High Efficiency Video Coding (HEVC)/ITU H.265 HEVC: Main profile
Supported Video Bitrate	250 Kbps to 50 Mbps
Video Format Conversion Support	Built in video scaler and deinterlacer
HDR Support	Yes
Number of encoded streams	Up to one 4KDCI p60 4:2:2 10bit
Color Correction	CDL/1024 1D LUT (supports 10-bit color) 33x33x33 3D LUT (supports 10-bit color)
Bonding	TeraLink
Recording	SD Card - Full size

AUDIO

Audio Compression	AAC-LC
Audio Input	3.5mm Stereo Line Level Analog or Microphone in, adjustable gain
Audio Output	3.5mm Stereo Headphone output

PROTOCOL SUPPORT

Network Protocols	TCP/IP, UDP, HTTP, DHCP, NTP, SSL, IGMP
Supported Video Transport Protocols	Secure Reliable Transport (SRT)
Remote	Teradek Core

PHYSICAL ATTRIBUTES

Dimensions	6.25"W x 3.6"D x 1.4"H [150 x 107 x 36mm]
Weight	1 lb [476g]
Construction	Milled aluminum
Mountability	Can be mounted horizontally or vertically with 1/4" 20 mounting holes

INTERFACES

Configuration Interface	Feature-rich Web UI for configuration and control OLED Status Display w/Nav control buttons
USB Interface Functionality	2x Powered USB-C host ports with 3G/4G modem support
Ethernet	2x 10/100/1000 BASE-T Gigabit Ethernet (RJ45)
Wireless	WiFi: 2.4/5GHz 802.11 a/b/g/n/ac/ax MiMo

POWER

Power Input	2-pin circular locking connector
Voltage	6-28V DC
Nominal Power Consumption	18W