



XTC-2200 VIDEO COMPRESSOR™



The XTC-2200 Portable Video Compressor™ is a compact, lightweight, mobile digital video and audio streaming and recording system designed to provide significant savings in video transmission and storage costs for remote video surveillance applications.

Minimized size, weight and power (SWaP), combined with High Efficiency Video Coding (HEVC) reduce bandwidth and power consumption, yielding significant operational cost savings, with excellent video quality.

Communications carrier fees have skyrocketed. The reduced bandwidth requirements accomplished by the XTC-2200 provide significant cost savings for organizations that require remote video and audio monitoring. The XTC-2200 provides various levels of tunable bandwidth reduction while maintaining quality of the video with no frame loss. Custom systems, modular re-configurable enclosures, communications radios, storage, performance and portability objectives are available from GreenTec-USA depending on specific customer requirements.

The XTC-2200 is simple to use and works seamlessly for video streaming with common video surveillance software applications like MileStone, iSpy and others. Support includes 4K, 2K, HD, SD and other resolutions with video, audio and camera controls for most standard camera manufacturers. IP video cameras may be used via WiFi or may be connected directly to the external Ethernet GigE RJ-45 port, USB cameras may be connected to the external USB 3.0 port. CSI camera connections are also available. The XTC-2200 uses standard 12 VDC power (e.g. simple transformer, cigarette plug in a vehicle, or battery powered).

In addition to highly compressed video streaming, the XTC-2200 systems are low-cost and scalable with local, remote and cloud video storage capabilities. The XTC-2200 is available with secure hacker-proof NIST 1800-11 Data Integrity compliant WORMdisk™ storage, traditional hard disk drives (HDD) or solid state disks (SSD) with capacities from 500GB up to 6TB locally, and unlimited remote or cloud storage.

- Quiet fan-less operation minimizes the potential of detection.
- Low power, low thermal signature for extended operational time.
- Compact, lightweight, mobile makes it easy to transport and easy to deploy.
- Reduced video transmission cost saves operational budget expense.
- Multiple high-resolution camera support for 4K, 2K, HD, SD and others.
- FIPS 140-2 Encryption AES, 3DES, PGP, TLS, Blowfish, OpenSSL, BitLocker, etc.
- Patented modular, re-configurable architecture enables the addition of modular routers, radios, immutable WORMdisk storage solutions and other custom features as needed.
- Secure temper-proof local, remote and cloud video storage capability.
- Blends in with normal surroundings with camouflaged and utility-style enclosures.
- NIST SP 1800-11 WORMdisks™ ensure video cannot be sabotaged, modified, manipulated, hacked or lost.
- Optional image enhancement solutions, facial recognition, license plate recognition, object identification and other analytics capabilities.

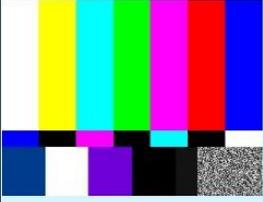
FULLY INTEGRATED VIDEO COMPRESSOR™ SOLUTION



Fully integrated compression and transcode software, CPU(s), GPUs, video display adapter, memory, network interfaces and the operating system. Communications include GigE, 802.11ac WiFi and Bluetooth. Other secure local storage capabilities, cloud storage and communications options available depending on specific requirements. The XTC-2200 supports the ability to save raw uncompressed locally attached immutable WORMdisk storage and also at the same time to transmit compressed video to centralized monitoring stations for actionable intelligence and analytics. The browser interface to the XTC-2200 Transcoder Menu provides video preview with easy to configure set-and-forget pull-down menu options that are remembered on the XTC-2200 for rapid field-deployment. The browser also allows for configuration changes anytime as needed.

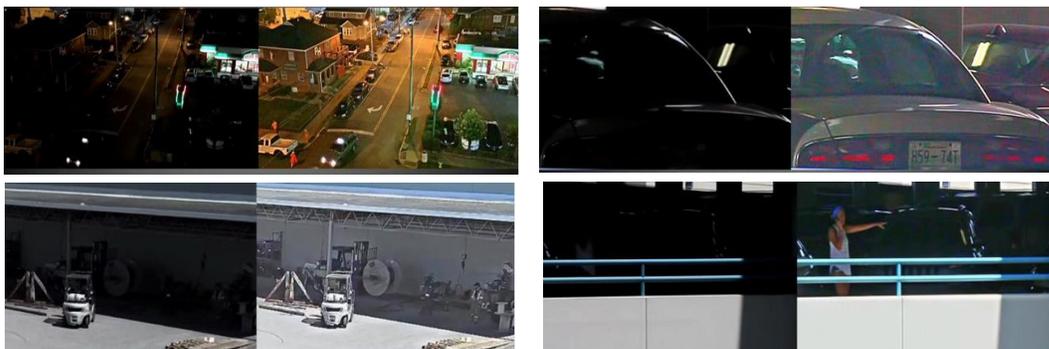
Camera 1

Model: Canon VB-M50B	Camera IP: 192.168.251.11	Path: /stream/profile1
Username: administrator	Password: ●●●●●●	Port: 554
Output: RTSP	Rate: 1000000	Expose: <input checked="" type="checkbox"/>
<input type="button" value="Submit"/>		Encoder: h.264



Video Preview

Custom analytical tools may be integrated into the XTC-2200 based on mission requirements, including object identification, license plate recognition, facial recognition, advanced image enhancement and other capabilities. Below are actual screenshots of live un-retouched streaming video with image enhancement solutions.



XTC-2200 Video Compressor™ Specifications

Supported System Configurations¹

GPUs	256 NVIDIA Cuda Cores	Memory	8 GB 59 GB/s LPDDR4
CPUs	HMP Dual Denver-2, 2 MB Level 2 cache, Quad ARM with 2 MB Level 2 cache	Other I/O	CAN, UART, SPI, I2C, I2S, GPIOs
Video	4K x 2K 60Hz Encode High Efficiency Video Coding, 4K x 2K 60Hz Decode 12 bit support	Network	1x GigE, 802.11ac WLAN, Bluetooth
Display	2x DSI, 2x DP 1.2, HDMI 2.0,, eDP 1.4	Weight	1.35 pounds
Cameras	Up to 3 CSI cameras 2-lane, 6 CSI cameras 1-lane, CSI2 D-PHY 1.2 2.5 Gbps per lane	Operating System	Linux
PCIe	Generation 2. 1x4+1x1 OR 2x1+1x2	Size	3.37" x 1.75" x 4.25"
Data Storage	32 GB eMMC, SDIO, SATA (500GB to 6TB), NIST 1800-11 Data Integrity compliant WORMdisks™, FIPS 140-2 Encryption	Power	12 VDC, 7.5 Watts. Accepts 5.5VDC to 19VDC.