

TransitPC6™ mobile digital video recorder

Description

Universal Com Link's TransitPC6™ is a professional all solid state digital video recording system designed for buses, light-rail cars, delivery trucks, armored cars and other vehicles. When a driver starts a TransitPC6™ equipped vehicle, a digital recorder begins storing images captured by up to sixteen onboard cameras. When triggered by an impact sensor or driver-activated panic button, TransitPC6™ tags the event from 2 minutes before to 5 minutes after for easy recall later.



Built for dependability and long life, TransitPC6™ is designed to withstand the temperature fluctuations and heavy vibration of mobile operations. TransitPC6™ is all solid state - no mechanical hard drive with moving parts to fail. Our special mount isolates the system from shock and vibration. The system is designed for rugged vehicle requirements.

TransitPC6™ is fast - recording an unrivaled **30 frames per second(fps) on every camera** all the time when the system is active. That's realtime video. Don't be misled by other claims of 300fps - they are referring to all cameras combined. TransitPC6™ utilizes the best high compression H.264 video format so even with that much incoming video information, there's still plenty of room.

Features

- Support for 16 video and 16 audio inputs
- All Industrial Grade solid state components - no moving parts or fans to fail
- Realtime (30fps) digital recording on every camera
- Status inputs for doors, lights, brakes, vehicle voltage/charging system, etc. (optional)
- Outputs for remote control - such as door locks, remote start, etc.
- Remote communication thru 2-way radio, cellular, WiFi or other options (optional)
- Auto download of data when returning to station
- Supports GPS, On-Board Navigation, & Auto Vehicle Locator (AVL)

TransitPC6™ Specifications

HARDWARE	
Video Inputs	16 BNC (Level 1.0Vp-p, impedance 75Ω)
Video Compression	H.264 (MPEG-4/part10)
Recording Speed	1 - 120 frames per second/Ch (NTSC). 1/16 th - 30 F/S/Ch (PAL).
Recording Resolution	720x480 (min)
Recording Options	Adjustable frame rate (per camera), adjustable bit rate, manual, scheduled, motion detection, and alarm
Preview Resolution	4CIF
Playback Resolution	QCIF/CIF/2CIF/DCIF/4CIF
Output Bit Rate	32kbps-768kbps (CIF) Real-Time
Monitor Output	VGA/DVI
Cameras	Super High Resolution (Infrared "night vision" optional)
Audio compression	Ogg Vorbis
Audio Input	16 BNC (Electrical Level: 2Vp-p, impedance: 1kΩ, volume control 83DB)
Audio Sampling Rate	16KHz
Audio Output Bit Rate	16kbps
Watermark	Support for security watermark technology and dual encoding.
Alarm in/out	4 Sensor Input Connections, 2 Alarm Output Connections. NO/NC Optional
Event logging	Triggered by panic button – tags video around event for easy recall
Record Mode	Continuous REC, Timer REC, Alarm REC, Motion Detect REC, Schedule REC
Motion Detection	Each channel up to 192 detection zone, sensitivity adjustable (optional)
HDD	Solid State – options from 80Gig up to multi-Terrabyte drives
USB	1 USB 2.0 port (USB Flash Drive)
Network Protocol	DHCP, PPPoE, Static IP, TCP/IP
Wireless Communication	Two-way Radio, cellular, WiFi, WiMAX, Ethernet, Wireless LAN (802.11) and other wireless options (optional)
Communication Interface	1 RJ-45 (10/100 Ethernet), 1 RS232, 1 RS485
GPS Interface (optional)	Built-in GPS module, SMA antennas
Vehicle Sensor (Optional)	Brake, Stop, Warning, Left, Right, Reverse, Vehicle Speed, Vehicle Speed calibration function, Km/h or Mile/h selectable

SOFTWARE	
Operating System	Windows®, Linux
Web Client Software	Included - Web based - secure login
Remote Client Software	Included- All configuration can be done remotely
Language	English

PHYSICAL	
Weight	Approximately 5lbs (2.3kg) depending on options
Dimension (W x H x D)	7.5" x 3" x 7.25" (190.5mm x 76.2mm x 184.2mm)
Shock Mounting	Dynamic Fluidic Shock & Vibration Dampening System (optional)
Shock Tolerance	300G (with shock mounting)
Regulatory Type	CE, FCC, UL, RoHS (lead free)

ELECTRICAL and ENVIRONMENTAL	
Power Requirements	6 – 38VDC – Reverse polarity protected
Power Monitor	Auto
Power Consumption	4-8 Watts depending on cameras
Cooling	Beryllium/Copper heat conductance system (patent pending)
Operating Temperature	-30° to +180°F (-35° to +82°C)
Operating Humidity	10-98% RH (non-condensing)
Power-Off Delay	Shut down delay after ignition is off (5 mins - 6 hours)
Scheduled On/Off	Daily scheduled power on/off (00:00 - 24:00)

WARRANTY	
System	3 years - parts and labor
Installation	All UCL installations are covered by our 1 year workmanship warranty
5 Year Extended	Optional warranty to protect your investment for 5 years



Universal Com Link’s mobile solutions are currently being used in the following applications:

- Law Enforcement - Patrol Cars
- Military - Tanks
- Emergency – Ambulances, Fire Trucks
- Public – Buses, Trains, Railways, Subways
- Commercial - Limousines, Taxis, Vans
- Industrial – Heavy Equipment, Oil drilling platforms
- Transportation - Freight Liners
- Aviation – Helicopters, Commercial and Private Aircraft

UCL has complete onboard mobile computing platforms

Prices and specification may change without prior notification. Please contact a sales representative for the latest information. The information contained in this document is confidential. Any use, reproduction or distribution must have prior consent from Universal Com Link, LLC.

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