



Gatekeeper High Resolution Mobile Video Systems Set New Standards For School Bus Transportation

Key Features & Benefits

High Resolution Vandal Resistant Cameras

Auto Adjusting High Performance Night Vision Cameras

Synchronized Audio and Video

High Resolution Video Recording at Full Frame Rate

MAXVIEW Viewing Software – Find It. Save It. Share It™

Variable Speed Fast Forward, Rewind, Pause and Playback of Video Files

Display Bus ID, Time, Date, Event Triggers, GPS Information and Speed

Search by Alarm and Sensors

Save Portions of a Video File into a Clip

Email Still Images or Video Clip

Drag and Drop Video to Desktop or Network Drive

Synchronized Mapping

Optional METEORMAX Intelligent Wireless System Integrates with Building Security Through Intuitive Web Based Software Application



MAXVIEW™ Viewing Software

Gatekeeper brings together high resolution video recording technology with precision engineered optics integrated into an easy to use viewing software application proving Transportation Managers with an effective tool to increase safety on school buses, protect students and drivers from false accusations as well as protect the school district from liability.

Designed for Tough Environments

Gatekeeper high resolution mobile video systems have been designed to military specifications setting a new standard for quality of video and reliability. Gatekeeper digital platforms have been deployed in thousands of extreme environments from protecting passengers on buses to securing data in airborne military applications. Shock, high intensity vibration, frequent power changes and constant temperature fluctuations are what Gatekeeper digital video systems have been exposed to for many years. Resulting in, a reliable product with the best warranty in the business.

MAXVIEW™ Viewing Software Incident Management System (IMS™)

Find It. Save It. Share It.™ Find the incident, save the incident and share the incident with qualified staff. You'll be amazed at the simplicity of MAXVIEW Viewing Software. It auto downloads to your desk top in seconds by simply connecting the COMRAD™ (removable hard drive) via USB adaptor. Playback of video cameras synchronized with GPS Mapping, vehicle sensor, alarms and audio allow you to view all angles simultaneously. They can be viewed at full frame rate and full resolution allowing you to identify faces or suspicious activity. In addition you'll see valuable information such as speed of the vehicle, when the brakes were applied, signal light activation and other electronic triggers.



METEORMAX™ Intelligent Wireless System Integrates with Platform Security

Gatekeeper high resolution digital video systems include removable COMRAD's (removable hard drive) for conventional download techniques or optional METEORMAX™ Intelligent Wireless system for remote communication and wireless downloading of video over WIFI or MESH Networks. Multiple locations can be connected to the Web Based Software Application. METEORMAX™ pings Gatekeeper high resolution digital video system using the unique AutoWake™ feature - AutoWake™ awakens the Gatekeeper digital video recorder after it's been powered off by the driver. Remote viewing and data extraction can be performed across the METEORMAX™ Intelligent Wireless System. In addition, the Web Based Software Application allows you to connect your building or yard surveillance cameras, access control and bus cameras to one common operating picture giving you full control over an entire security system.

Digital Recording Platform Designed with Purpose

Precision engineered to meet military requirements Gatekeeper records high resolution video at full frame rate on each video channel providing supreme video quality. The NVR or Network Video Recorder incorporates a unique removable drive system trade named COMRAD™ and includes a dual-core thermal intelligence system allowing the overall system to operate reliable in extreme weather conditions.



Specifications subject to change without notice. Document # TB00022 02/01/2010 V1.04

Protecting Your Precious Cargo

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Product Data Sheet



OPERATING CHARACTERISTICS

Audio/Video:

Video Format	NTSC or PAL
Video Input	1-4 Channel (simultaneous recording)
Video Input Signal	1.0V P-P, 75 ohm
Video Output	2 (front and back)
Video Output Signal	1.0V P-P, 75 ohm
Audio Input	1 Mono MP3
Audio Output	2 (front and back)

Recording:

Compression	Wavelet
Record Resolution	720 x 486 / 720 x 243
Record Rate	1 - 30 fps/channel (120 fps total)
Recording Mode	Manual, Ignition Activated

Configuration:

Method	Smart LCD, GK Viewer
Levels	Basic, Advanced, System
On-Screen Display	Date/Time, Bus ID, Signal Inputs
Features	Record Delay/Extend, Sensors, Text Position FPS, Quality, Speed

Playback:

Playback Resolution	720 x 486, 320 x 240, 180 x 122
Playback Rate	30 FPS/channel (120 fps total)
Search Mode (LED)	FF, RWD, Scene, Date/Time, Alarm
Search Mode (PC Viewer)	File, Date/Time, Alarm and Progress Bar
Synchronization	Video, Audio, Time/Date, GPS, Mapping Bus ID

Event:

Alarm/Sensor Input	8 Inputs (including driver alarm)
Alarm/Sensor Output	2 Outputs (including record light indicator)

Storage:

Recording Medium	2.5" Mobile Rated Hard Drive
Capacity	160 GB - Optional 320 GB (*500 GB upon request)
Shock Vibration	MIL STD 810
Removable Media	COMRAD™ Removable Hard Drive USB Thumb Drive

Cameras:

Infrared - Night Vision
Day / Night- Up to 540 TV Lines
Integrated Microphone
Vandal Resistant Domes

PHYSICAL / ENVIRONMENTAL CONDITIONS

Power Protection:

Main Power	12 VDC, 5 Amps
Operating Range	8-32 VDC
Filter Range	Voltage Spikes up to 500 Volts Will Accept Double Battery Jump

Video Management:

Digital Outputs	USB 2.0, RJ 45
Download Method	Recorder to COMRAD™ Hard Drive (USB 2.0) COMRAD™ Hard Drive to PC (USB 2.0) Recorder to USB Thumb Drive (USB 2.0) Recorder to PC or Notebook (RJ45) Recorder to LAN (RJ45)

Docking Station	Not Required
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Video Software	MaxView™ or optional MaxView Plus™ Web Application expandable to integration with building security, Windows MP (with security codec)
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Software and Firmware Update	Internet Download
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Connectors:

Video Input	4 (RCA)
Video Output	2 (RCA)
Audio Input	1 (MIC)
Audio Output	2 (RCA, Speaker)
Alarm/Sensor	DB25
Display	1" x 4" Backlit LCD Screen

Mechanical:

Depth	10.25"
Width	7"
Height	3"
Weight	5 Lbs

Environmental:

Thermal Intelligence	Auto Heat / Auto Cooling
Storage Temperature	-20° C - 60° C
Storage Humidity	5% - 90%

METEORMAX™ Wireless - Optional:

Autowake™ - Remote On/Off Control of DVR
Device Detection
Integrates with High Definition Mega Pixel Cameras for Building Security - Single Operating Picture

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