KOL-5300 / KOL-LMSW Series Master Review Station and Software Package

- **Uses proprietary Hybrid MPEG/Wavelet technology for smallest file sizes and best resolution when compared to other technologies utilizing MPEG, JPEG or Wavelet.**
- **Live view and Video On Demand of up to 24 digital video channels.**
- **Maximum viewing resolution of 480 TV lines @ 640 × 480 capture.**
- **May be set to broadcast a time synchronization signal across the network to digital video recorders.**

- **May be connected to multiple LAN Server units via an existing 10Base-T or 100Base-T network to provide multiple channel review systems.**
- **Built-in GUI provides easy and fast setup and live view/Video On Demand playback operation. The playback control allows the user to zoom into, and make quality adjustments on, all video scenes individually during playback without affecting remote recording.**
- **LAN Master features built-in 3.5" floppy drive for export of compressed video files to still JPEG images.**
- **Software package features a combination Dongle-Key and software Hardlock driver which prevent unauthorized copy and use of the software.**
- **Features built-in RW-CD ROM drive and separate CD-ROM drive.**
- **Built-in parallel port for printer output.**
- **Video Authentication watermark of recorded images for court admissibility purposes.**
- **Built-in 56 Kbps modem card allows dial-up connection to a Kollector digital video recorder for remote monitoring and control of PTZ cameras.**
- **Playback and live view are capable of true 6× zoom and video enhancement on up to 24 individual motion video scenes.**
- **Playback software is password level protected.**
- **No specialized user skills for setup and operation.**
- **Instantaneous search and playback of previously recorded images. Museum search frame allows an accelerated video search of preconfigured areas.**

Model Number	Product Code	Description
KOL-5300-3	8079	Kollector LAN Master Station: PC-based network review station. Complete PC with Kollector software and monitor.
KOL-5300-3P	8079-01	Kollector LAN Master Station: PC-based network review station. Complete PC with Kollector software and monitor. PAL version.
KOL-LMSW-3	8068	Kollector LAN Master Station Software. Requires a PC.

Table 1: Models, Product Codes and Descriptions

Kollector LAN Master is a PC-compatible, Pentium®-class, network client, tower-case computer ready to connect to the Kollector digital video recording systems via an Ethernet (10Base-T or 100Base-T optional) internal network card. The front panel features a power switch, a 3.5-inch floppy drive (for JPEG file export of still images), a RW-CD ROM drive and a standard CD ROM drive.

Kollector LAN Master utilizes a state-of-the art, proprietary, Hybrid MPEG/Wavelet digital compression technique to view video. In addition, Kollector LAN Master can receive up to 24 individual video channels via the network. The internal RW-CD ROM drive can be set to copy live or previously recorded images from any connected digital video recorder. Kollector LAN Master receives video from each digital video recorder upon request over a network or TCP/IP connection at a speed of 1.3-30 frames per second, which makes it the industry's first "network friendly" digital video recording and transmission system. Each LAN Master is capable of viewing 24 simultaneous cameras while supporting live view (Video on Demand), recorded view (museum search), file copying, system configuration and the controlling of pan/tilt/zoom cameras.

ASSOCIATED EQUIPMENT AND ACCESSORIES

Kollector Digital Video Recorder, KOL-4000 Series: A rack mount or standalone network ready digital video recorder.

Kollector Digital Video Recorder, KOL-3000 Series: A rack mount or standalone single connection (dial-up or LAN) digital video recorder.

Vicon Product Facts | UL CE FC | **Model No:** Refer to Table 1 | **Product Code:** Refer to Table 1 | **SEC: 4** | **SPEC: V021** | **REV: 502**

Vicon part number 8009-7021-02-00 *Product specifications subject to change without notice.*

LAN MASTER, NETWORK CLIENT DIGITAL
VIDEO MONITORING AND COPYING SYSTEM

The digital video monitoring and copying device shall be designed to connect to the digital video recorder in an Ethernet (10Base-T or 100Base-T) network. The LAN Master shall be a PC-compatible, Pentium-class, network client, tower-case computer that is network-ready. The front panel shall feature a power switch, a 3.5-inch floppy drive (for JPEG file export of still images), a RW-CD ROM drive and a standard CD ROM drive.

The LAN Master shall utilize a state-of-the art, proprietary, HybridMPEG/Wavelet digital compression technique to view video. In addition, LAN Master shall receive up to 24 individual video channels via the network. The internal RW-CD ROM drive shall be set to view or copy live or previously recorded images from any connected digital video recorder. LAN Master shall receive video from each digital video recorder upon request over a network or TCP/IP connection at a speed of 1.3 - 30 frames per second at a maximum resolution of 480 horizontal TV lines. Each LAN Master shall be capable of viewing 24 simultaneous cameras while supporting live view (Video on Demand), record view (museum search, file copying, system configuration, the controlling of pan/tilt/zoom cameras and the broadcast of a time synchronization signal. There shall be a multi-screen display mode for both live and pre-recorded video of 1, 3, 6, 9, 12, 15, 18 and 24 cameras/sites or combinations. In addition, LAN Master shall be capable of direct printing images to a local printer. It shall also support several languages (contact factory for details).

The 3.5 inch floppy drive shall be capable of copying still images. LAN Master shall be equipped with a combination Dongle-Key and software Hardlock driver used to run the software. It must also be initially assigned an "Administrator" level password. Lower level password assignments shall be optionally configured. All live and pre-recorded images shall have authentication to maintain court admissibility.

LAN Master software shall also be available and identical to the software in the LAN master unit. This software shall be installed and run on a suitable Pentium-Class PC running an acceptable Windows O.S. The Dongle-key shall also be included in the package to enable running the software on one system.

LAN Master shall be 27.0 inches (686 mm) high, 8.5 inches (216 mm) wide and 18.0 inches (457 mm) in depth. It shall weigh 35.5 lb (16 kg). It shall have steel and plastic construction and shall be finished in beige color.

LAN Master shall be Kollector models KOL-5300 and KOL-5300P. The software package shall be the Kollector model KOL-LMSW-2.

Vicon Product Facts	UL CE FC	**Model No:** Refer to Table 1	**Product Code:** Refer to Table 1	**SEC: 4**	**SPEC: V021**	**REV: 502**

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SOFTWARE FEATURES

(For both LAN Master models and software packages)

Software Run Control: System must use the combination Dongle-Key and software Hardlock driver to run the software.

Password Control: System must be assigned an "Administrator" level password. Lower level password assignments can be optionally configured.

Video Viewing Rate: 30 frames per second maximum. NOTE: This rate can vary based on the activity of each Kollector digital video recorder station connected.

Video Viewing Resolution: 480 horizontal TV lines maximum at 640 × 480 pixel pallet. 240 horizontal TV lines maximum at 320 × 240 pixel pallet.

Video Copying: Live or pre-recorded video can be copied from any network-connected channel to the internal hard drive or RW-CD ROM drive.

Museum Search: Any portion of the playback video can be configured for searching at an accelerated rate to capture an event or events over an extended period of time.

Picture File Size: 30 bytes - 9 Kb typical per static picture @ 240 horizontal TV lines of resolution using a capture size of 320 × 240 pixels.

Video Display Modes: Multi-Screen Display Mode for both live and pre-recorded video of 1, 3, 6, 9, 12, 15, 18 and 24 cameras/sites or combinations.

Printing: Direct printing of images to local printer.

Global Language Support: Several languages currently supported (contact factory for details).

Time Syncrhronization: System can be set to broadcast a time synchronization signal to a Digital Video Recorder.

Radio Frequency Emission Rating: FCC Class A.

European Community (CE) Standards: EN 50081-1 generic emissions. EN-50082-1 generic immunity.

COMPUTER REQUIREMENTS

(For software packages only)

CPU: Pentium® III, Intel® Celeron™ 300 MHz minimum. Pentium III, Intel Celeron 933 MHz preferred.

RAM Memory: 64 Mb minimum, 128 Mb preferred.

Hard Drive: 20 Mb of free space required.

Mouse: Internal, PS-2 or serial type.

Modem (optional): 56 Kbps.

LAN Card: 3Com 3C905B-Combo, 10/100 Mbps TPO, or equivalent.

Printer Port: Required for Dongle-Key installation to run program. Also necessary for image printing.

3.5 Inch Floppy Drive: Required for single image export.

RW-CD ROM or RW DVD Drive: Required for video export.

MONITOR REQUIREMENTS

Size: 15.0 in. (380 mm) diagonal minimum.

Signal Input: RGB analog, DB-15 connector.

Type: Super VGA.

Resolution: 800 × 600 pixels minimum. 16 bit color minimum.

Power Input: 120/230 VAC, selectable.

NOTE: Due to the frequent change in KOL-5300 computer and KOL-5300 monitor specifications, they are not listed. Please call Vicon Sales for the latest specifications.
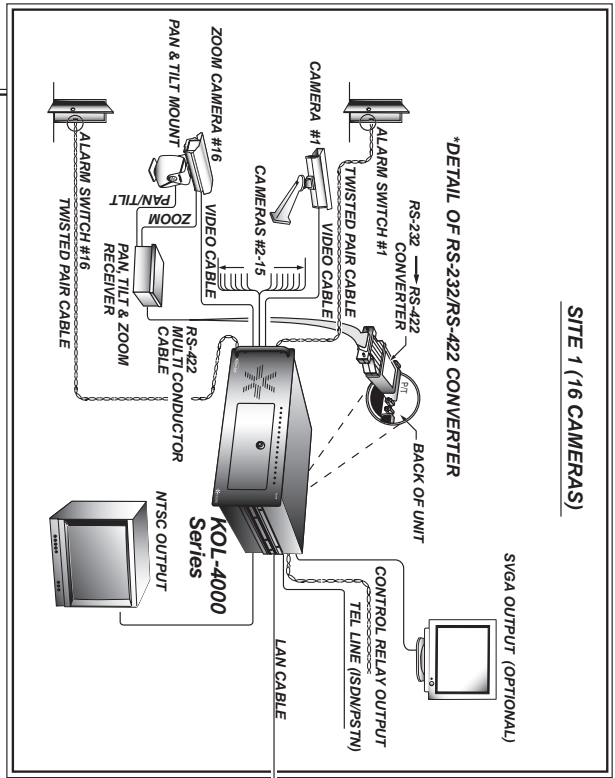
MECHANICAL

(For LAN Master models only)

Case Style: Standard full-height tower.

Dimensions: Height: 27.0 in. (686 mm). Width: 8.5 in. (216 mm). Depth: 18.0 in. (457 mm)

Weight: 35.5 lb (16 kg).

Construction: Steel and plastic.

Color: Beige.

Shipping Dimensions: Length: 30 in. (762 mm). Width: 13 in. (330 mm). Height: 21 in. (533 mm).

Shipping Weight: 40 lb (18 kg).

Shipping Volume: 4.7 ft³ (0.13 m³).
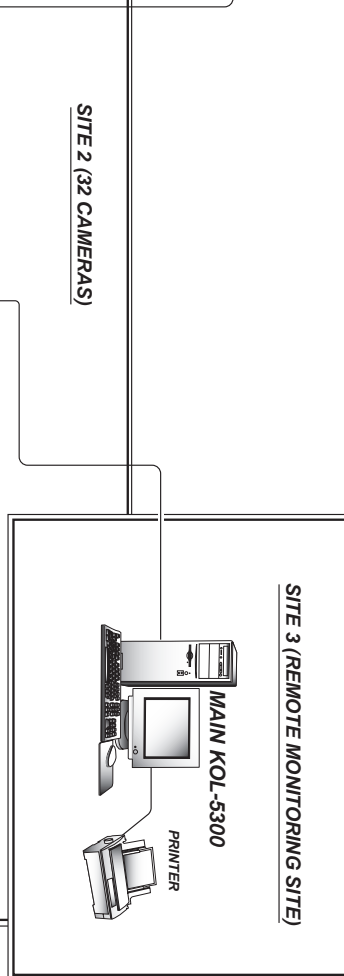
ENVIRONMENTAL

(For LAN Master models only)

Operating Temperature Range: 32 to 120° F (0 to 49° C).

Operating Humidity Range: 0 to 95% relative, non-condensing.

Storage Temperature Range: -4 to 158° F (-20 to 70° C).

Storage Humidity Range: 0 to 95% relative, non-condensing.

*DETAIL OF RS-232/RS-422 CONVERTER

KOL-5300 WITH KOL-4000 SERIES SAMPLE CONFIGURATION

| Vicon Product Facts | Model No:
Refer to Table 1 | Product Code:
Refer to Table 1 | SEC: 4 | SPEC: V021 | REV: 502 |

MULTISITE CONFIGURATION

SITE 1 (16 CAMERAS)

*DETAIL OF RS-232/RS-422 CONVERTER

SITE 2 (32 CAMERAS)

SITE 3 (REMOTE MONITORING SITE)