



down
look

**Automated
Still Frame Video
Transmission System**

by



- **Capture video from up to 8 sources...**
 - standard CCTV cameras, VCR's, & video switchers
- **Can be integrated with virtually any alarm system**
- **Transmit over standard telephone lines or cellular**
- **Video transmitted with alarm communication**
- **Reception by Sur-Gard MLR2 digital receiver**
- **View images via TV monitor or computer terminal**
- **Sophisticated image management & database software**

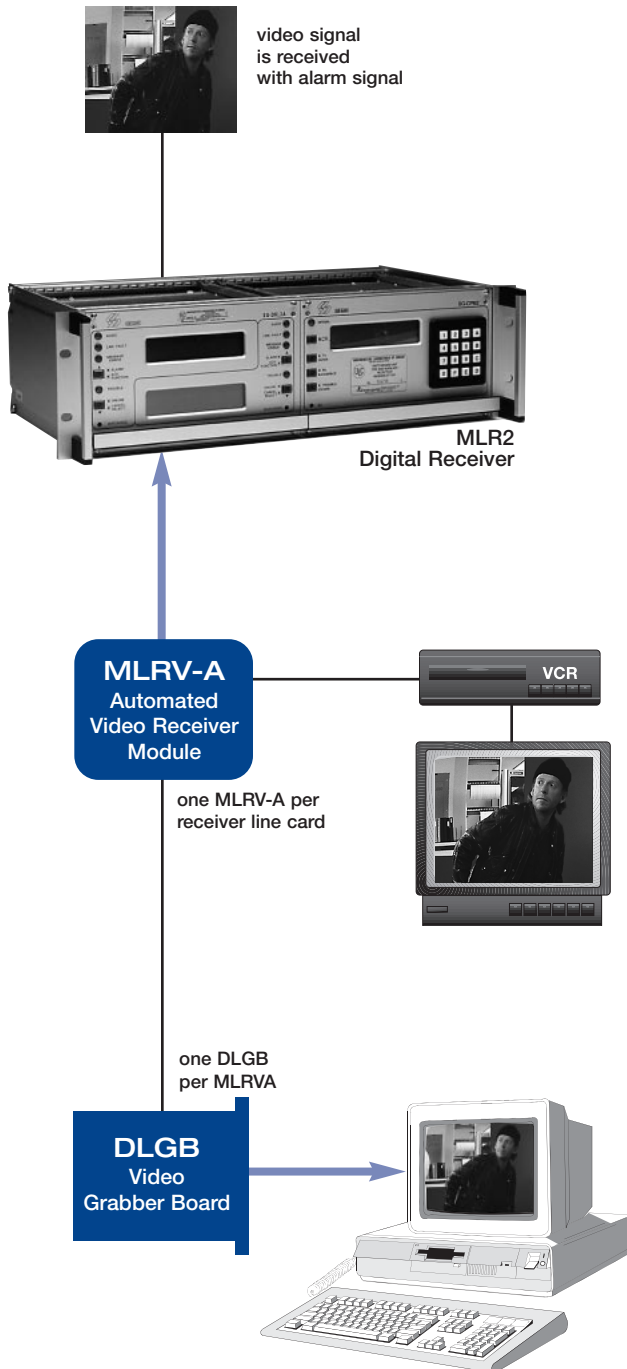
DSC...Power832

- **seamless integration with DSC's Power 832 alarm panel**
 - Downlook programming is built into Power832 (5015)
 - requires DSC...PC5108L Video Matrix Module and Sur-Gard DLM-4L Video Transmitter Module
- **captures video from up to 8 sources including cameras, VCR's, or video switchers**
- **communicates alarm followed video over a single telephone line in one transmission**
- **any alarm zone (up to 32) or group of zones can be programmed to initiate video capture of 4 frames from any 4 sources - in any sequence**
- **time from alarm to first frame capture and between frame captures is separately programmable for each alarm zone... 0.1 to 9.9 seconds**
- **PC5108L video matrix module :**
 - adds 8 alarm zones and 8 video inputs (75ohm BNC) to Power832
 - communicates with and receives power from Power832 via Keybus... 4 conductor station wire
 - communicates with and powers DLM-4L via a single 4 conductor station wire connection
 - 1 video output (75ohm BNC) to DLM-4L
 - one PC5108L allowed per system...additional expansion can be provided by standard Power832 expansion modules to 32 zones
- **on-site sequential video switcher mode**
 - add a standard video monitor (and VCR if desired) in series between the PC5108L and DLM-4L
 - program via Power832 keypad to view up to 8 video sources with 3 or 6 second dwell time on each picture or select a video source to view continuously
 - automatically switches to programmed Downlook response to alarms when they occur
- **air feature**
 - provides for Additional Image Request.
 - when initiated from the PSA Software the Power 832 (5015) will keep on line and communicate continuing video

- **programmable "pre-trigger"**

- allows video occurring from before alarm to be captured and held
- captures up to 4 pre-alarm images by programming system to continually capture images from up to 4 video sources at programmable time periods
- when alarm occurs, any of the 4 available image spaces not used for pre-trigger will be filled with new images from video sources programmed for the alarm and be transmitted along with the pre-trigger images. e.g... if 2 spaces are used for pre-trigger images, then the remaining 2 spaces will be filled with alarm triggered images.

Central Station Video Reception



- **video reception by Sur-Gard MLR2 digital receivers**

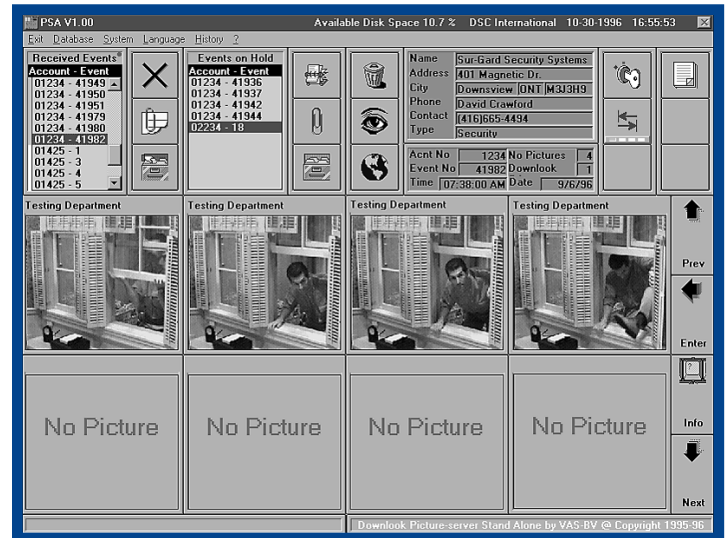
- add one MLRV-A Automated Video Receiver Module per DLR2A receiver line on which video reception is desired
- up to 14 line cards and 14 video receiver modules per MLR2 receiver
- one video output per MLRV-A
- requires DLR2A software version 1.63 upwards

- **DLGB Video Grabber Board**

- captures Downlook video on a PC
- plugs into computer ISA slot
- one DLGB required for each MLRV-A Video Receiver Module
- connects to MLRV-A via a 25 pin cable for video and a 9 pin cable for serial communications
- 100ft. (30m) max cable length (*cables not supplied*)

- **PSA Software**

- provided with DLGB Video Grabber Board
- allows video images to be displayed, saved, filed, retrieved, and managed on a PC
- requires a dedicated 486 Pentium PC with at least 8Mb ram, Windows 3.11 or Windows 95, a mouse or touch screen monitor, and minimum of 1 meg video ram
- all commands and functions can be password protected

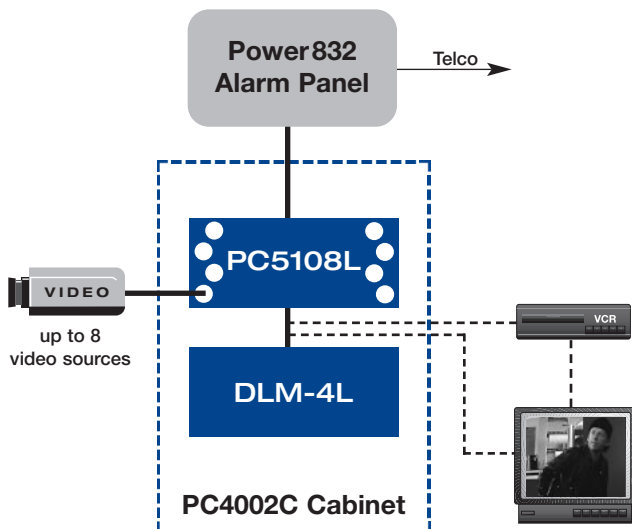


- **PSA Software Features**

- clear screen
- save to history
- view pictures on hold
- delete
- log in-log out
- print pictures
- change language
- put pictures on hold
- search for account
- search history
- view master pictures
- stay online
- copy history

DLM-4/4L Video Transmitter Module

- used on all Downlook applications
- captures, compresses, and transmits still frame video
- one 75ohm BNC video input...1Vpp from camera, VCR, or video switcher
- frame capture and transmission is initiated by the alarm panel or communicator
- captures and holds up to 4 video frames when initiated by alarm panel
 - each frame is 256 x 256 pixels in 256 shades of grey
- programmable time for first frame capture
 - 00 to 9.9 seconds
- time between frame capture :
 - programmable via keypad on Power832... 00 to 9.9 seconds
 - selected by dip-switches when used with other panels... 0.5 to 3.5 seconds
- rotary capture dip-switch
 - allows for video capture from up to 4 cameras in rotary sequence on one alarm input when used with a DLM-7 Camera Expansion Module and 8400 DL
 - captures images from video inputs in following sequences :
 - ... 1,2,1,2 when used with 2 cameras
 - ... 1,2,3,1 when used with 3 cameras
 - ... 1,2,3,4 when used with 4 cameras
- NTSC or PAL operation
- no video adjustment or calibration required
- output for video trouble/loss
- power required : 10.5 to 16VDC, 300mA @ 12VDC
- specify : ... DLM-4L for use with Power832 alarm panel
... DLM-4 for all other applications



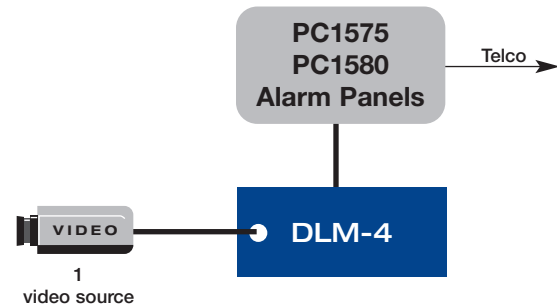
DLM-7 Camera Expansion Module

- integrates with DLM-4 to expand system to 4 or 7 video inputs depending on application when used with 8400 DL or 1575/1580
- power supplied from DLM-4
- video connected from DLM-7 to DLM-4 via ribbon cable

DSC...PC1575 & PC1580

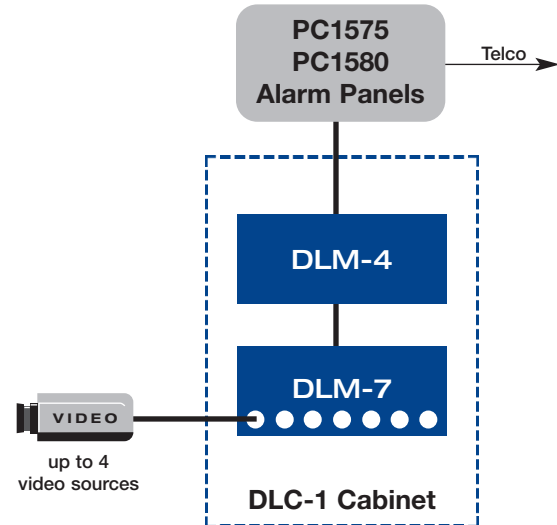
- captures video from 1 or up to 4 sources including cameras, VCR's, or video switchers
- communicates alarm followed video over a single telephone line in one transmission
- captures and holds up to 8 video frames
- programmable time from alarm to first frame capture
 - 0.1 to 9.9 seconds
- dip-switch selectable time between frame captures
 - 0.5 to 3.5 seconds on DLM-4
- alarm panel communicates with and powers DLM-4 via a single 4 conductor station wire connection

Single Video Source System

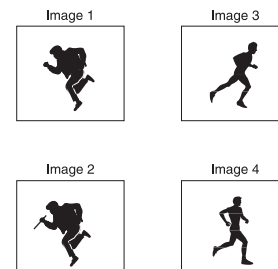


- any alarm zone or zones (up to 6) may be programmed to trigger video capture from one source

Rotary - Four Video Source System

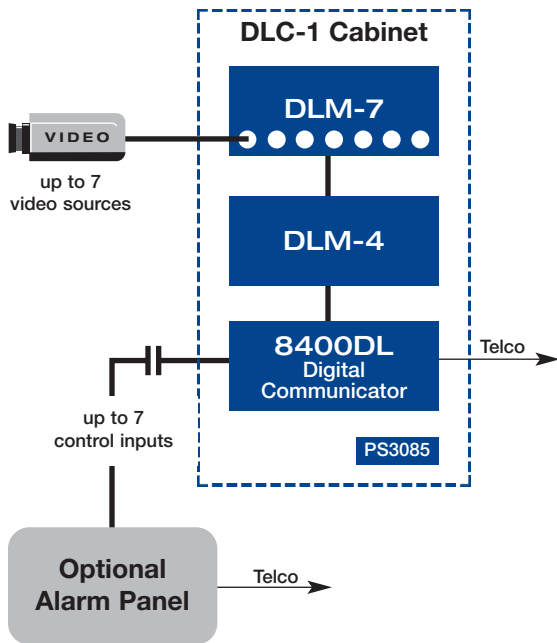


- utilizes rotary capture feature of DLM-4 to capture video from up to 4 sources connected to DLM-7



Stand-Alone / Universal Application

- provides Downlook capability on any alarm panel or acts as stand-alone Downlook system
- captures video from up to 7 sources including cameras, VCR's, or video switchers



- **DSC 8400DL digital communicator :**
 - 8 channel communicator
 - accepts seven N/O or N/C inputs to trigger video capture from video sources connected to matching inputs on the DLM-7
 - when used with an alarm panel, inputs may be zone detection devices or programmable outputs from the alarm panel
 - programmed for Downlook via a DSC PC2550RK keypad
 - a separate telephone line is recommended for the 8400DL to prevent interference between the alarm panel reporting alarms and Downlook video transmission via the 8400DL
- **PS-3085 power supply :**
 - provides 3A, 12VDC power for the 8400DL, DLM-4, and DLM-7
 - supervisory outputs for low battery and AC failure
- **transformer required :** 16VAC
- **cabinet dimensions :** 13.5"W x 16.5"H x 4.25"D
(34.29 x 41.91 x 10.8 cm)

Architects Specifications

Contractor shall install a fire and burglar alarm system complete with an integrated, fully automated, still frame video transmission system. System shall support (1, 4, 7, 8) video sources including CCTV cameras, VCR's, and video switchers. System shall be programmable such that any alarm zone or group of zones shall be capable of triggering video capture, compression and transmission of 4 video frames from (1, 4) user defined video sources following transmission of the alarm.

Time from alarm to first frame capture and between frame captures shall be programmable.

Video connections shall be 75ohm BNC and data connections shall be standard unshielded station wire.

System shall communicate with a Central Station via a single telephone line for both alarm and video transmission. Alarm and video transmission shall be compatible with the Sur-Gard MLR2 digital receiver equipped with MLRV-A automated video receiver modules.



**SG SECURITY
COMMUNICATIONS**

A Division of Sur-Gard Security Systems Ltd.

Sur-Gard Security Systems Ltd.,
401 Magnetic Drive, Units 24-28,
Downsview, Ontario, Canada M3J 3H9
1-800-418-7618 www.sur-gard.com