

### Specifications

#### Power

- 11 - 14.5VDC
- Operating Current: 35mA

#### Video

- Up to seven 1VP-P CCIR NTSC- or PAL-compatible cameras
- Video out terminal for local video monitor with 75 $\omega$  impedance

### Mounting the Panel

It is suggested that the DLM-7 Camera Selector Module and the DLM-1 Video Module be mounted in a DLC-1 Cabinet. The DLC-1 Cabinet has been designed especially for use with Downlook components.

Before attaching the cabinet to the wall, press nylon printed circuit board mounting studs into the raised mounting holes from the back of the cabinet. Mount the cabinet securely to the wall. It is recommended that appropriate wall anchors be used when securing the panel to drywall, plaster, concrete, brick or other similar surfaces.

Remove the DLM-7 circuit board from the cardboard packaging. Press the DLM-7 Module onto the nylon mounting studs.

### Video Input Connections

The DLM-7 Module uses NTSC or PAL compatible cameras. Use only a CCIR camera, as older types may not function properly with the DLM-7 Module.

Install the camera mounting hardware as per the manufacturer's instructions and mount the camera. Connect the camera to a monitor, and align the camera with the target area and adjust the camera's focus. If an on-site monitor is to be permanently connected between the camera and the DLM-7 module, the monitor connection must be high impedance.

Connect the first camera to the VIN1 terminal and remove the jumper clip from J102. If only one camera is used with the DLM-7, it should be connected to input VIN1. Connect additional cameras to BNC connectors VIN2 through VIN7. Up to seven cameras may be connected to the DLM-7.

### Power Requirements

The DLM-7 Camera Selector usually does not require an additional power supply.

### Connection to the DLM-1 Module

Ensure power is removed from all components before making connections between the Downlook modules. Connect the DLM-7 Module to the DLM-1 Module with the 10-pin ribbon cable supplied. Refer to the connection diagram below and ensure that the ribbon cable is oriented properly.

### Jumpers J102 through J108

Jumpers J102 through J108 are used to terminate unused video inputs. If a video input is not used, short the pins for the terminal using one of the supplied jumper clips. If a camera is connected to a terminal, remove the clip from the jumper.

### Local Video Output

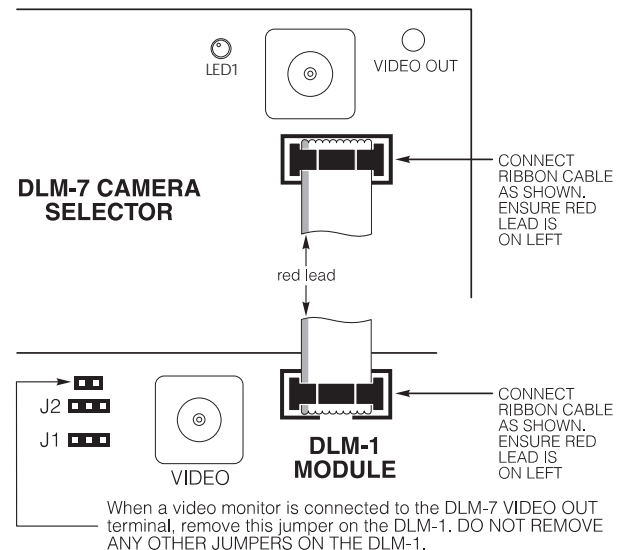
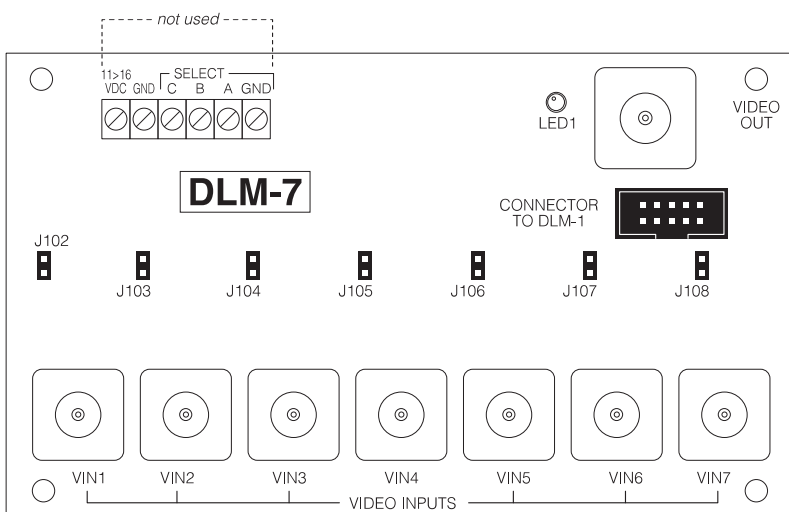
A monitor may be connected to the DLM-7 to allow for local video monitoring. The monitor will display the image from the currently active camera. Connect a monitor with a high input impedance to the VIDEO OUT terminal. If required, picture quality at the local monitor may be adjusted with part R129. Use a small screwdriver to adjust part R129; do not force the adjustment screw beyond its natural range of motion.

### System Programming

The DLM-7 itself requires no programming. Refer to the Installation Manuals of the security system used with the Downlook system for instructions on programming the system for use with multiple cameras.

### The following restrictions apply to UL Listed applications:

1. The picture count shall not exceed 2.
2. The message/data format must be Sur-Gard 7/3.
3. Communication must be made to the listed Sur-Gard MLR2-DG receiver with the MLRV method employed.
4. The DLM-1 and DLM-7 must be connected to only UL Listed video equipment.
5. The module has been found to be compatible with the UL Listed Sur-Gard P-16 and P-1664 units only.



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## LIMITED WARRANTY

Digital Security Controls Ltd. warrants that for a period of twelve months from the date of purchase, the product shall be free of defect in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls Ltd. This warranty contains the entire warranty. Digital Security Controls Ltd. neither assumes, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls Ltd. be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

**WARNING:** Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

### FCC Compliance

**CAUTION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00345-4