

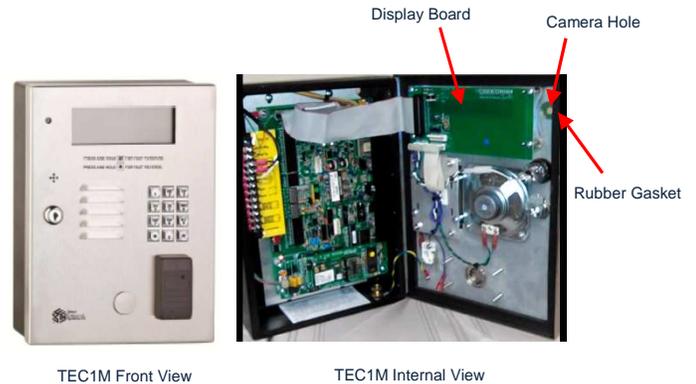
## TEC1M - OPTMINICOLORCAM Camera Installation

Thank you for choosing SES model: **OPTMINICOLORCAM** camera option for your **TEC1M** series Telephone Entry System. This camera provides a video signal for viewing the area in front of the entry system.

Before attempting to install the camera please read the following instructions carefully to assure proper handling and procedure. It is always recommended that Select Engineered Systems pre-installs the camera or that a trained technician installs it if purchased separately.

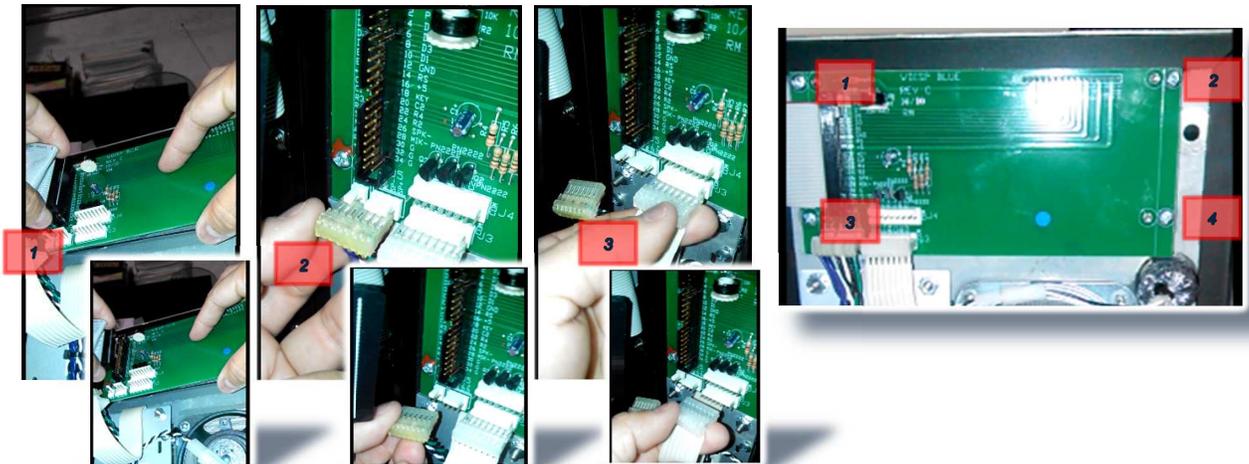
If purchased separately your package should include the following items:

- Color pin hole lens camera with signal inverter and video cables mounted onto an angle bracket
- BNC Female to RCA Male adaptor
- Power Supply Transformer



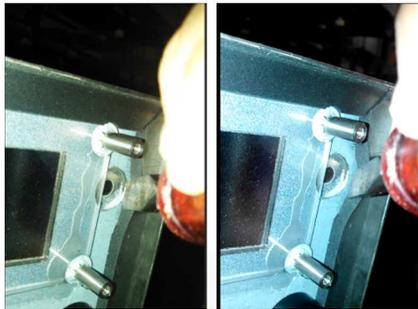
### 1. Remove display board to expose camera hole location

- Removing the display consists of a few simple steps which include the removal of **3 connectors and 4 screws** located in the highlighted areas shown in the following illustrations:



### 2. Carefully remove the rubber gasket from around the camera hole

- Removing the rubber gasket correctly is essential for the long term reliability of the unit, take proper steps to ensure it's not damaged and if it is, replace the gasket immediately to avoid water damage.
- To remove the rubber gasket use a thin flathead or chisel type screwdriver and gently lift the gasket further exposing the area around the camera hole as shown in the following illustrations:



### 3. Slide bracket underneath the lifted gasket

- Remove adhesive on bracket flap and slide in as shown, (for best results center the camera pin lens with the camera hole)



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## TEC1M OPTMINICOLORCAM Camera Installation (cont'd)

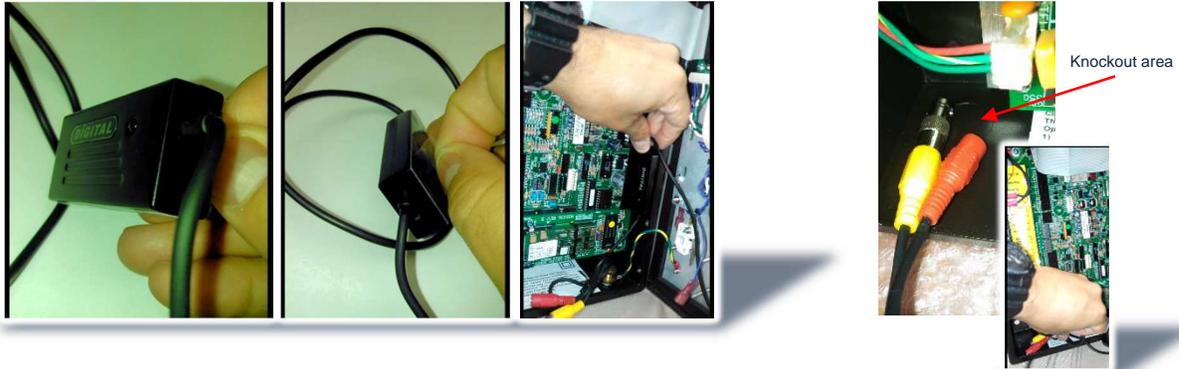
### 4. Replace the display board and reconnect the connectors

- Screw in the display board and reconnect the loose connectors
- The display board should fit in line with the left edge of the camera as shown



### 5. Mount the digital signal inverter on the inside of the box enclosure

- Remove adhesive on the back of the signal inverter and fit onto the inside of the box enclosure as shown
- Preferable for video cables to run downward towards bottom left corner of the enclosure for ease of access to the knockout area



### 6. Connect video cables to your monitor/observation system and power up the camera

- Connect yellow Video Plug to your monitor, DVR or observation system (may require BNC Female to RCA Male adaptor which is included)
- Connect red DC12V Power Plug to power supply transformer (included)



#### TRANSFORMER WARNING!

Use only the supplied transformer to power the camera. Please DO NOT connect the camera to any terminal on the unit. Failure to adhere to this warning will damage the equipment and VOID the warranty.

### • Camera Specifications

Model#	OPTMINICOLORCAM
Image Sensor	1/3 Sony CCD
TV System	NTSC
Horizontal Resolution	520 TV Lines
Effective Pixels	510 (V) x 492 (H)
Signal to Noise Ratio	≥ 48 dB
Min Illumination	0.5 Lux
Shutter Speed	1/60 – 1/100,000 sec.
Scanning System	525 Lines, 60 frames/sec.
Video Output	1.0V (p-p) / 75 ohms
Operating Temperature	-20°C to +65°C within 95% RH Max
Power Supply	DC 12V / 8 ±10mA
Lens	3.7mm Pin Hole
Dimensions	15mm x 15mm

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