



# LEMAR INDUSTRIAL CORP.



## ACTIVE CCTV RECEIVER PANEL

PART NO.: RAP13581641

### Description

Active CCTV Receiver Panel is provided for long-distance transmission of real-time color and monochrome video signals as well as all baseband (composite) video signals by economical UTP (Unshielded Twisted Pair) cable. The inputs can be RJ45 Jack video inputs or Terminal Block video inputs.

The Active CCTV Receiver Panel would have three types: 8 ports which is for four outputs; 16 ports which is for 2 outputs; 32 ports which is for one output. These amplified (active) products enable video transmissions up to 1.5 kilometers across Category 5 cabling or better.

### Features:

1. 8/16/32 ports active CCTV panel
2. Splitters are built-in for 8/16 ports
3. RJ45 and terminal block are optional for video inputs.
4. Use with both passive and active transmitters for various distance
  - 1000m: use with any Lemar CCTV passive transceiver Balun
  - 1800m: use with Lemar CCTV active transmitter balun AC169F2513T.
5. Easy & economical assembly by UTP cable
6. Spark voltage protector built-in
7. Impedance matched network built-in
8. Luma & Chroma adjustable
9. Long distance transmission
10. CE, FCC certificated

### Specification:

|                                |  |                        |
|--------------------------------|--|------------------------|
| Environment                    | Close-Circuit TV (CCTV) equipment for security and surveillance.   |                        |
| Devices                        | CCTV cameras, monitors, sequencers, multiplexers, digital video recorders (DVR) and other CCTV equipment.                  |                        |
| Bandwidth                      | DC to 8MHz   |                        |
| Common Mode Rejection          | 60 dB typical over the frequency range   |                        |
| Distance Switch<br>3-positions | 500m: 500m or less<br>1.0km: 500-1000m<br>1.5km: over 1000m and up to 1500m  |                        |
| Power Required                 | 115/230VAC 320mA<br>DC power supply built-in   |                        |
| Power On                       | Blue LED light   |                        |
| Video On                       | Yellow-green LED light   |                        |
| Cable-UTP                      | UTP Cat. 5 or better, AWG #24 typically<br>Impedance: 100 ohms<br>Max. Cap.:20pf/ft<br>Attenuation: 6.6dB/1000 ft. at 1MHz |                        |
| DC Loop Resistance             | CAT.5  | Loop Resistances/100 M |
|                                | 20 AWG (0.7mm)   | 7 ohms                 |
|                                | 22 AWG (0.6mm)   | 11 ohms                |
|                                | 24 AWG (0.5mm)   | 18 ohms                |
| Cable-Coax                     | Impedance: 75 ohms at 1MHz (RG59/U)<br>Max. 25ft. of coax allowed per end to end link                                      |                        |
| Connectors                     | BNC female: 75 ohms    Terminal Block: 100 ohms<br>RJ45 jack:100 ohms  |                        |
| Maximum Distance               | 1.5Km across Cat. 5 cable or better  |                        |
| Temperature                    | Operating temp. 0 to 55° C<br>Storage temp. -22 to 85° C<br>Humidity up to 95%   |                        |



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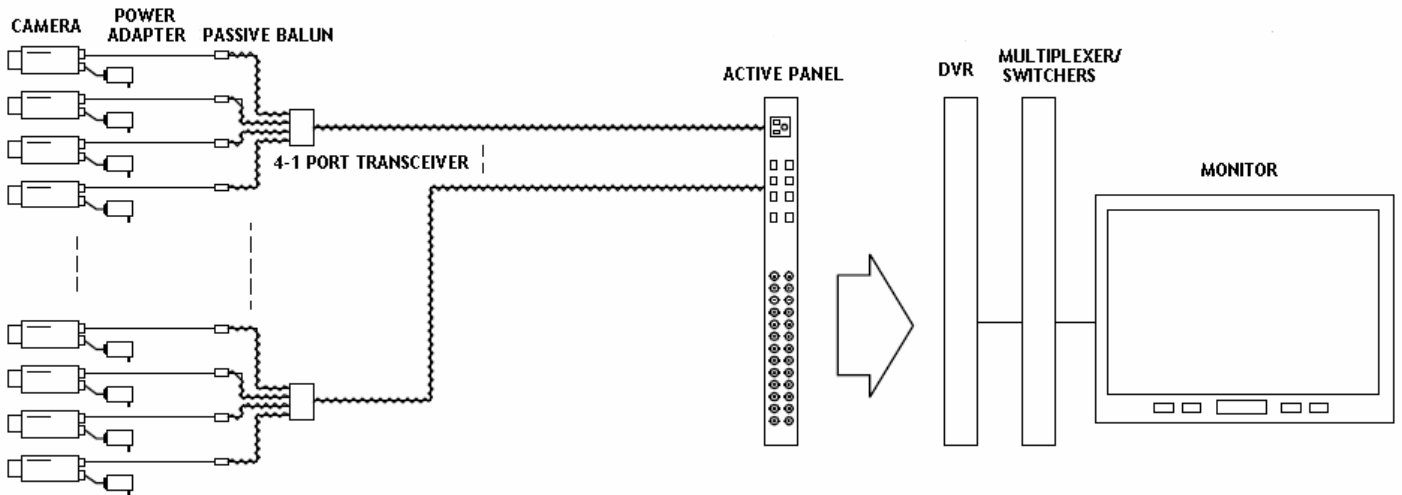


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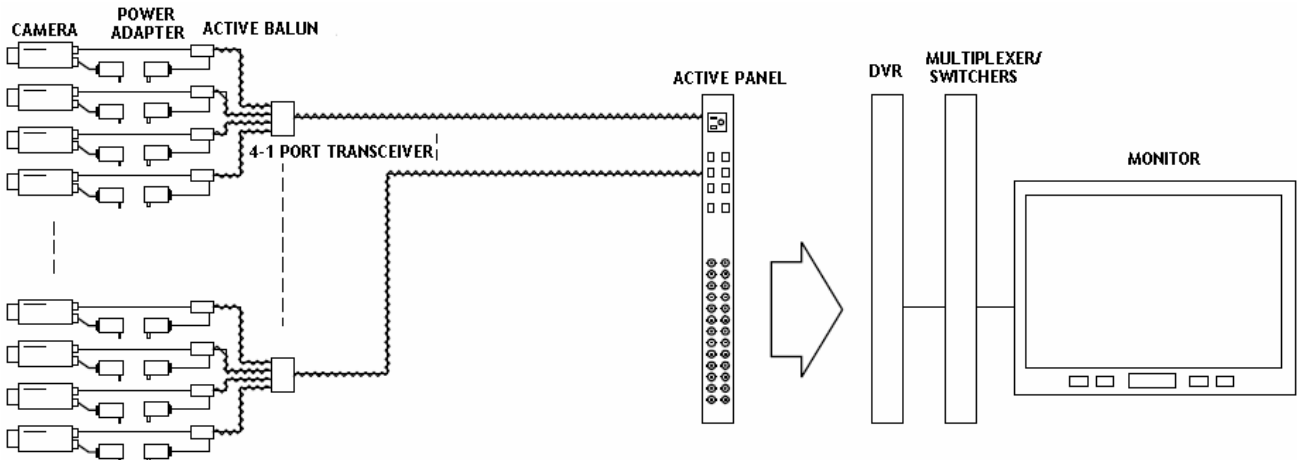
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## Application

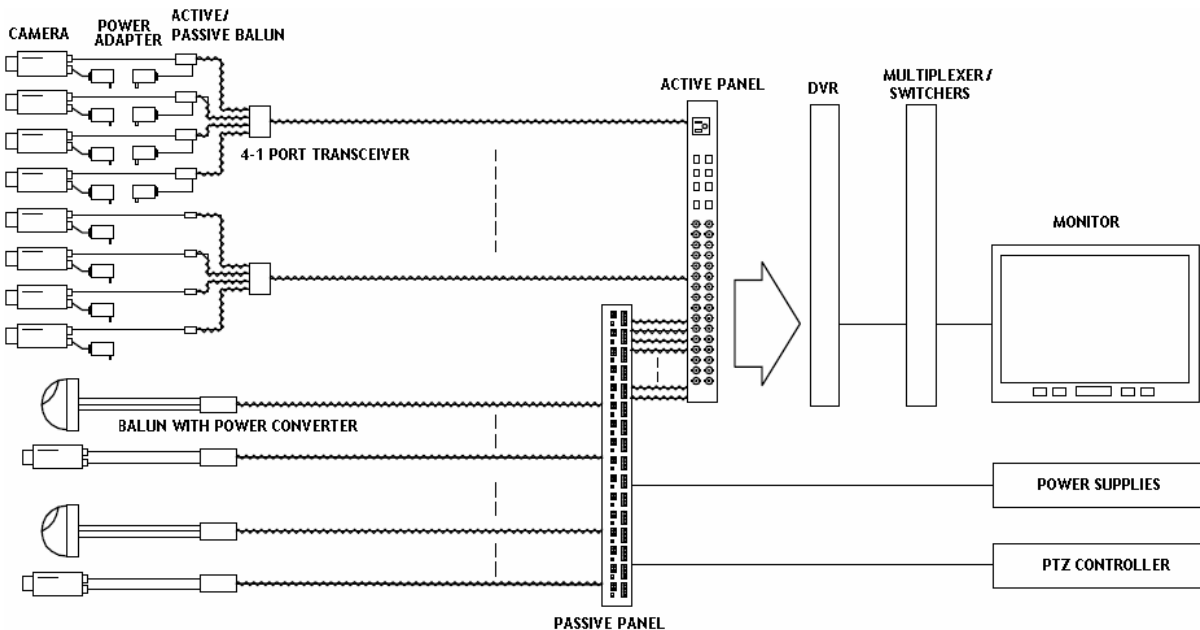
### 1. Use with Passive Transceiver Balun



### 2. Use with Active Balun Transmitter



### 3. Use with Active/Passive Balun & Passive Panel



All the contents are subjected to change without notice.