

TD 816

VIDEO DISTRIBUTION AMPLIFIER

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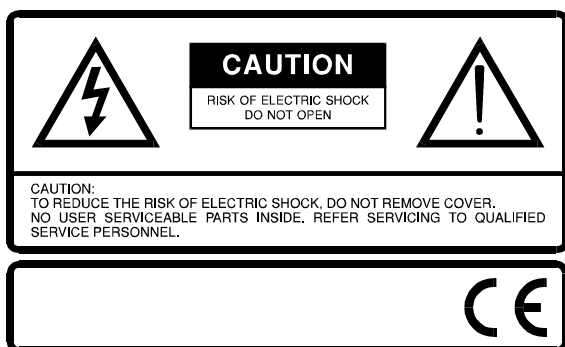
SAFETY PRECAUTIONS

In order to prevent any fatal accidents caused by misoperation or mishandling of the video distribution amplifier, be fully aware of all the following precautions.

WARNING:
THIS APPARATUS MUST BE EARTHED

WARNING:
To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

This unit is produced to comply with Directives 93/68/EEC (IEC Publ.65) and 89/336/EEC.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the product.

PREFACE

The TD 816 is a high quality video distribution amplifier with sixteen video outputs. Internal jumpers allows the distribution of two video input to eight video outputs, four video inputs to four video outputs or eight video inputs to two video outputs.

Standard BNC type input and output connectors enables the TD 816 to be used with other CCTV amplifiers, switchers, cameras, monitors and video tape recorders.

FEATURES

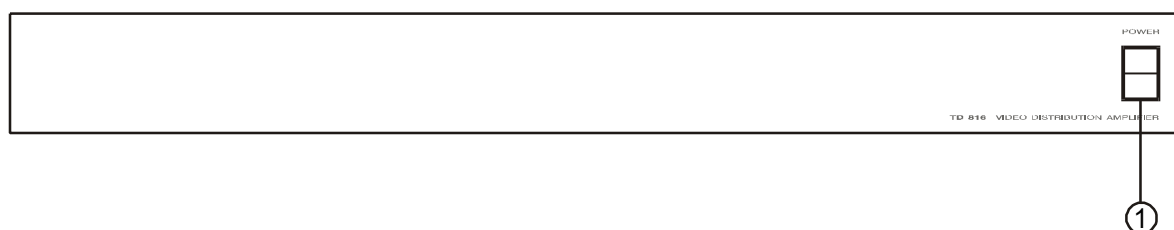
- 2 (4, 8) video inputs
- 2 x 8 (4 x 4, 8 x 2) video outputs
- rack mountable using optional rack mount kit

PRECAUTIONS

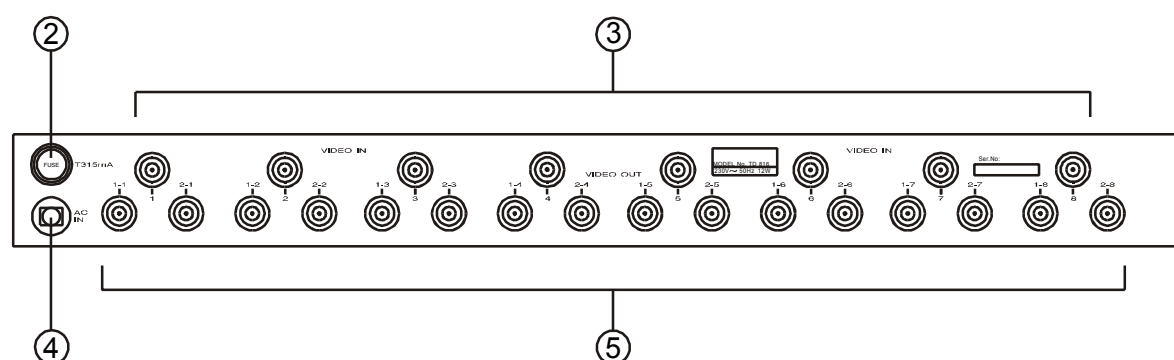
- Use only the power source specified on the rating label located on rear of the cabinet.
- When not using this unit for a long period of time, or when cleaning it, be sure to disconnect the power plug from the AC outlet.
- Do not drop metallic parts through slots. This action could permanently damage this unit. Do turn power off immediately and refer servicing to qualified service personnel.
- Avoid using this unit under the following conditions:
 - in extremely hot, cold or humid places,
 - in dusty places,
 - near appliances generating strong magnetic fields,
 - in places subject to direct sunlight, and
 - in badly ventilated places.
- Unplug this unit from the AC outlet and refer servicing to qualified service personnel under the following conditions:
 - when the power cord is frayed or plug is damaged
 - If the unit does not operate normally following the operating instructions
 - if the unit has been dropped or the cabinet has been damaged
 - when the unit exhibits a distinct change in performance.

CONTROLS AND CONNECTORS

FRONT PANEL



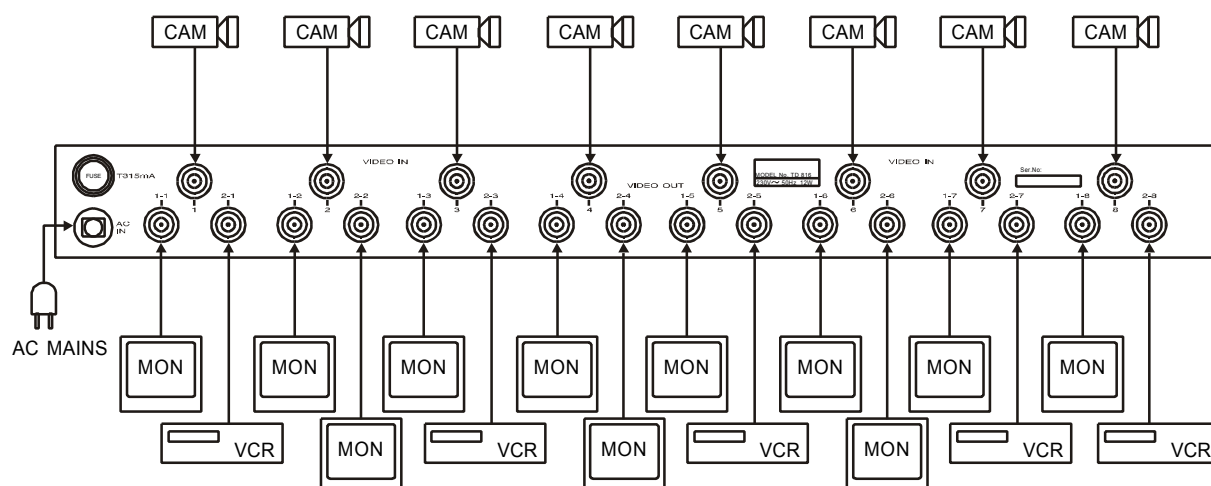
REAR PANEL



- (1) Power switch.
- (2) Fuse socket.
- (3) Video input connectors.
- (4) Power cord.
- (5) Video output connectors.

CONNECTIONS

- Be sure to disconnect the power plug from the AC outlet before connecting to other equipment.
- Also refer to the instruction manual of the equipment to be connected.

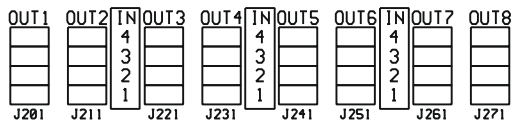


SPECIFICATIONS

| | |
|--------------------|-----------------|
| Video input | 1-2Vpp/75Ω, BNC |
| Video output | 1-2Vpp/75Ω, BNC |
| Video bandwidth | 10MHz±3dB |
| Signal/noise ratio | >55dB |
| Power requirement | 230V, 50Hz |
| Power consumption | 12W max. |
| Dimensions | 432x44x240mm |
| Weight | 4.7 kg |

INSTALLATION

JUMPER SETTINGS - PCB 1



Video Output 1-1

| JUMPER | VIDEO INPUT | | | |
|-------------|-------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| OUT1 - J201 | | | | |

Video Output 2-1

| JUMPER | VIDEO INPUT | | | |
|-------------|-------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| OUT2 - J211 | | | | |

Video Output 1-2

| JUMPER | VIDEO INPUT | | | |
|-------------|-------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| OUT3 - J221 | | | | |

Video Output 2-2

| JUMPER | VIDEO INPUT | | | |
|-------------|-------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| OUT4 - J231 | | | | |

Video Output 1-3

| JUMPER | VIDEO INPUT | | | |
|-------------|-------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| OUT5 - J241 | | | | |

Video Output 2-3

| JUMPER | VIDEO INPUT | | | |
|-------------|-------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| OUT6 - J251 | | | | |

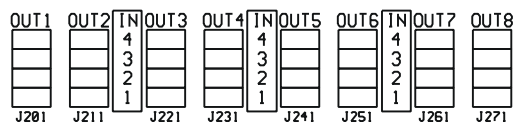
Video Output 1-4

| JUMPER | VIDEO INPUT | | | |
|-------------|-------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| OUT7 - J261 | | | | |

Video Output 2-4

| JUMPER | VIDEO INPUT | | | |
|-------------|-------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| OUT8 - J271 | | | | |

JUMPER SETTINGS - PCB 2







Video Output 1-5

| JUMPER | VIDEO INPUT | | | |
|-------------|-------------|---|---|---|
| | 5 | 6 | 7 | 8 |
| OUT1 - J201 | | | | |





Video Output 2-5

| JUMPER | VIDEO INPUT | | | |
|-------------|-------------|---|---|---|
| | 5 | 6 | 7 | 8 |
| OUT2 - J211 | | | | |





Video Output 1-6

| JUMPER | VIDEO INPUT | | | |
|-------------|---|--|---|---|
| | 5 | 6 | 7 | 8 |
| OUT3 - J221 |  |  |  |  |





Video Output 2-6

| JUMPER | VIDEO INPUT | | | |
|-------------|---|--|---|---|
| | 5 | 6 | 7 | 8 |
| OUT4 - J231 |  |  |  |  |





Video Output 1-7

| JUMPER | VIDEO INPUT | | | |
|-------------|---|--|---|---|
| | 5 | 6 | 7 | 8 |
| OUT5 - J241 |  |  |  |  |





Video Output 2-7

| JUMPER | VIDEO INPUT | | | |
|-------------|---|--|---|---|
| | 5 | 6 | 7 | 8 |
| OUT6 - J251 |  |  |  |  |

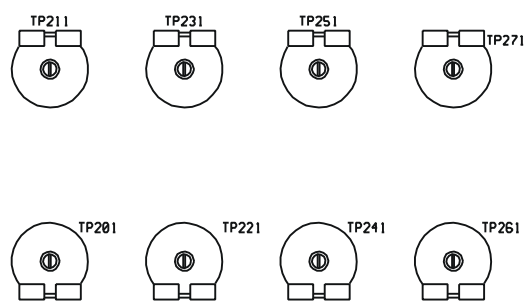
Video Output 1-8

| JUMPER | VIDEO INPUT | | | |
|-------------|---|--|---|---|
| | 5 | 6 | 7 | 8 |
| OUT7 - J261 |  |  |  |  |

Video Output 2-8

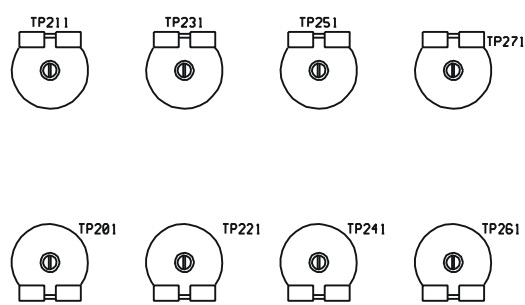
| JUMPER | VIDEO INPUT | | | |
|-------------|---|--|---|---|
| | 5 | 6 | 7 | 8 |
| OUT8 - J271 |  |  |  |  |

TRIMMER ADJUSTMENTS - PCB 1



| LINEAR GAIN ADJUSTMENT | TRIMMER |
|---------------------------|---------|
| VIDEO OUT 1-1 | TP201 |
| VIDEO OUT 2-1 | TP211 |
| VIDEO OUT 1-2 | TP221 |
| VIDEO OUT 2-2 | TP231 |
| VIDEO OUT 1-3 | TP241 |
| VIDEO OUT 2-3 | TP251 |
| VIDEO OUT 1-4 | TP261 |
| VIDEO OUT 2-4 | TP271 |

TRIMMER ADJUSTMENTS - PCB 2



| LINEAR GAIN ADJUSTMENT | TRIMMER |
|---------------------------|---------|
| VIDEO OUT 1-5 | TP201 |
| VIDEO OUT 2-5 | TP211 |
| VIDEO OUT 1-6 | TP221 |
| VIDEO OUT 2-6 | TP231 |
| VIDEO OUT 1-7 | TP241 |
| VIDEO OUT 2-7 | TP251 |
| VIDEO OUT 1-8 | TP261 |
| VIDEO OUT 2-8 | TP271 |

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