

**GRANDTEC Electronic Corp.**

8F, No. 268 Lian Cheng Rd., Chung Ho City, Taipei Hsien 235, Taiwan, R. O. C.

URL : [www.grand.com.tw](http://www.grand.com.tw)e-mail : [grand@grand.com.tw](mailto:grand@grand.com.tw)

TEL : 886-2-8227-3588

FAX : 886-2-8227-3589/8227-3599

## GRAND MAGIC GUARD III

( Color QUAD processor )



Grand Magic Guard III is designed for security monitor sub-system w / remote control. Input signal can up to 4 different video source. The 1<sup>st</sup> VIDEO output to TV and VGA out to monitor . The 2<sup>nd</sup> Video output can be recorded by VCR. Real time displays each video in 1/4 display area at the same time. Supports powerful PIP ( Picture in Picture ), OSD, **Auto Save**, **Sensitivity**, **Zoom**, **EVENT LIST**, Freeze, Date, Time , Auto Sequential, Decoder Setup, Channel Re-Name, Key Lock function.

**Features:**

1. Pure Hardware design, just Plug & Display, No software driver required, compatible with all OS.
2. Switchable NTSC/ PAL video system.
3. Support 2 Composite VIDEO out to TV or recording by VCR ; VGA out to Monitor ( 15.75KHz to 31.5KHz for NTSC , 15.625KHz to 31.25KHz for PAL ).
4. Support 4 independent composite video input connectors.
5. Can be applied to TV / VGA monitor security individually or security system.
6. Video 1~4 buttons are used to display single channel video and set main-channel for PIP mode.
7. Real time display each video on 1/4 display area at the same time.
8. Provides video loss detection and motion detection.
9. Provides horizontal image mirroring.
10. Apply with remote controller support: PIP, QUAD, MENU/ ENTER, ZOOM, Channel select, and setup function more user-friendly.
11. Supports GPIO port function : 4 input and 1 output.
12. Date, Time & Channel Name show status of each Quad display.

**GRANDTEC Electronic Corp.**

8F, No. 268 Lian Cheng Rd., Chung Ho City, Taipei Hsien 235, Taiwan, R. O. C.

URL : [www.grand.com.tw](http://www.grand.com.tw)

TEL : 886-2-8227-3588

e-mail : [grand@grand.com.tw](mailto:grand@grand.com.tw)

FAX : 886-2-8227-3589/8227-3599

13. Date, Time can be selected to be displayed ON or OFF the screen



14. Date, Time display format can be selected ( Year-Month-Day or Month-Day-Year )



15. Support **PIP ( Picture In Picture )** function : PIP window is movable and changeable.



\*PIP-window changeable: the video source ( VIDEO1~VIDEO4 ) can be changed



## GRANDTEC Electronic Corp.

8F, No. 268 Lian Cheng Rd., Chung Ho City, Taipei Hsien 235, Taiwan, R. O. C.

URL : [www.grand.com.tw](http://www.grand.com.tw)

e-mail : [grand@grand.com.tw](mailto:grand@grand.com.tw)

TEL : 886-2-8227-3588

FAX : 886-2-8227-3589/8227-3599

\*Main window changeable: the video source ( VIDEO1~VIDEO4 ) can be changed



16. Support **Decoder Setup** function : BRIGHTNESS, CONTRAST, SATURATION, HUE can be adjusted for individual camera



17. Support **Sensitivity** function :

- Video lose detection



- Motion Detection to be full screen



**GRANDTEC Electronic Corp.**

8F, No. 268 Lian Cheng Rd., Chung Ho City, Taipei Hsien 235, Taiwan, R. O. C.

URL : [www.grand.com.tw](http://www.grand.com.tw)

e-mail : [grand@grand.com.tw](mailto:grand@grand.com.tw)

TEL : 886-2-8227-3588

FAX : 886-2-8227-3589/8227-3599

18. Support **EVENT LIST** function. : Max 20 events ( to view the events which have been triggered and recorded recently )



19. Support **ZOOM** function : ZOOM window is movable and enlargeable



20. Support **MIRROR** function.



21. Support Freeze function
22. Support Auto Sequential function.
23. Support AUTO SAVE function, it's can save ~
- TITLE
  - DATE & TIME
  - DECODER SETUP ( for individual camera )
    - Brightness
    - Contrast
    - Saturation
    - Hue

**GRANDTEC Electronic Corp.**

8F, No. 268 Lian Cheng Rd., Chung Ho City, Taipei Hsien 235, Taiwan, R. O. C.

URL : www.grand.com.tw

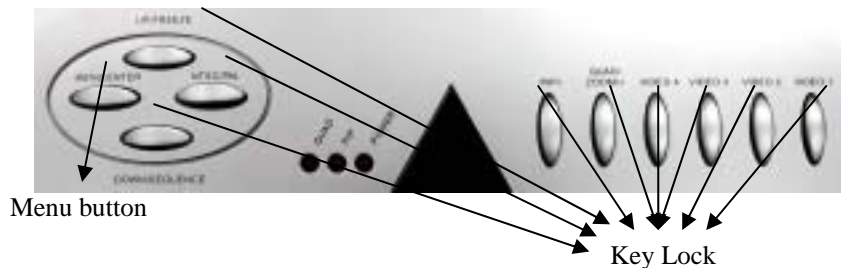
e-mail : grand@grand.com.tw

TEL : 886-2-8227-3588

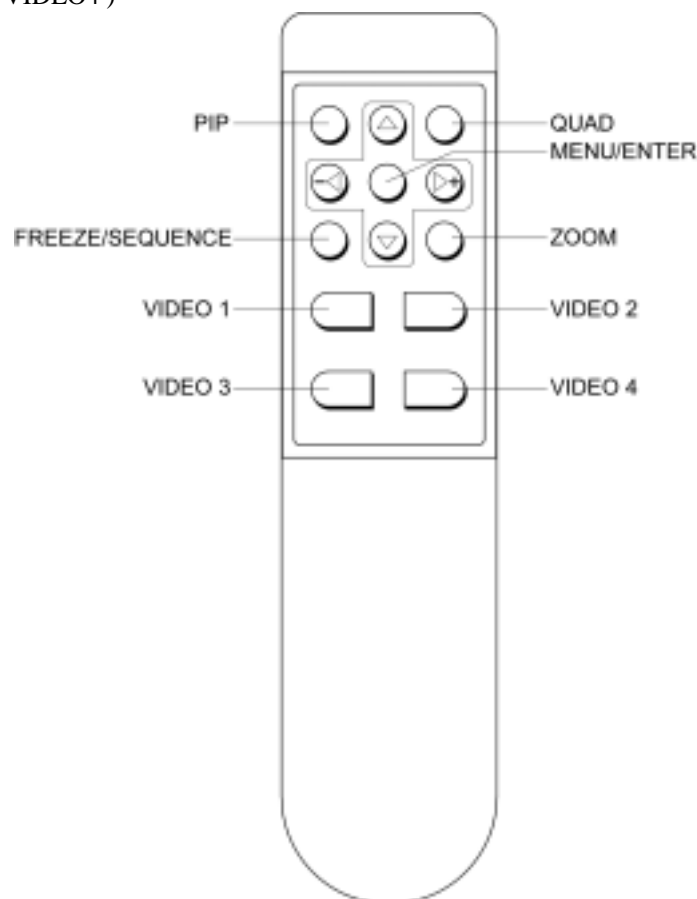
FAX : 886-2-8227-3589/8227-3599

- SENSITIVITY
- EVENT LIST
- AUTO SEQUENCE
- OTHER
  - Buzzer : Loss : OFF~99 sec ( video loss alarm )
    - Motion : OFF~99 sec ( motion detected alarm )
    - Alarm : OFF~99 sec ( GPIO port active alarm )
  - Mirror
  - Border : OFF / White / Black

22. Support KEY LOCK function: once key lock function on, all buttons are locked on the panel except “menu” button (prevent careless touching)



24. Remote Control support : QUAD, PIP, MENU/ENTER, FREEZE / SEQUENCE, ZOOM, Channel select ( VIDEO1 ~ VIDEO4 )





**GRANDTEC Electronic Corp.**

8F, No. 268 Lian Cheng Rd., Chung Ho City, Taipei Hsien 235, Taiwan, R. O. C.

URL : [www.grand.com.tw](http://www.grand.com.tw)

e-mail : [grand@grand.com.tw](mailto:grand@grand.com.tw)

TEL : 886-2-8227-3588

FAX : 886-2-8227-3589/8227-3599

**VGA Monitor Requirement**

1. For NTSC : HSYNC = 31.5KHz ; VSYNC = 60Hz
2. For PAL : HSYNC = 31.25KHz ; VSYNC = 50Hz

