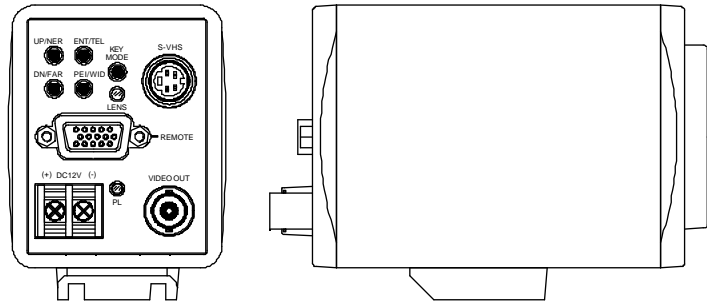
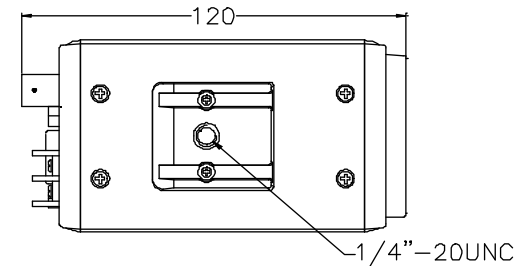
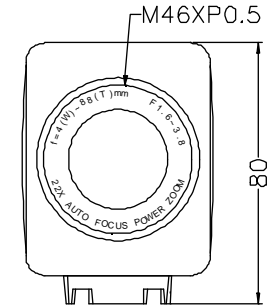
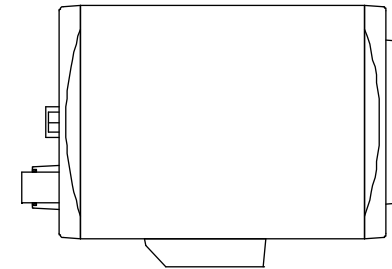
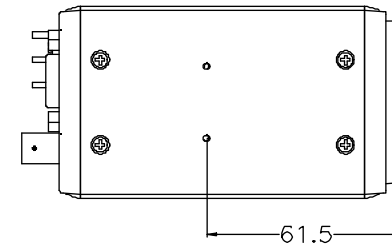
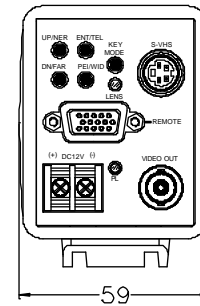


A u t o - C a m

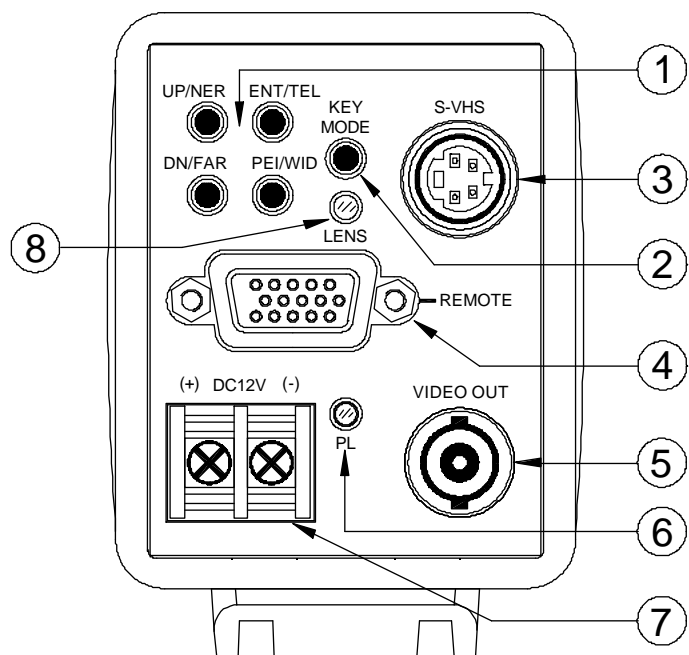


SPECIFICATION

MODE NO.		Not Stocked	Stock Item
TV SYSTEM		NTSC	PAL
IMAGE SENSOR		1/4-inch CCD Image Sensor	
CCD TOTAL PIXELS		811(H) X 508(V)	795(H) X 596(V)
SCANNING SYSTEM		525 lines, 60 fields/sec	625 lines, 50 fields/sec
SYNC SYSTEM		Internal / VD-Lock	
MINIMUM ILLUMINATION	Typical	1.5 Lux (F1.2, 5600°K) / 0.02 Lux (F1.2, 5600°K)	0 Lux with IR-Light /IR Version
	Start light Mode		0 Lux with IR-Light /IR Version
RESOLUTION		480 TVL	
S / N RATIO		48dB (MIN) / 52dB (Typically with AGC OFF)	
WHITE BALANCE		ATW / AWB / FIX (Zero color rolling)	
WHITE BALANCE RANGE		3200 ~ 9600 °K	
B.L.C. FUNCTION		Super BLC 48 zone BLC	
GAMMA CORRECTION		0.45	
AGC		AUTO (18dB max)	
ALC		AUTO / FIX	
IMAGE NEGATIVE		Select by OSD menu	
CROSS LINE		ON/OFF Select by OSD menu (position adj. by software)	
FREEZE FUNCTION		Alarm in trigger or Select by OSD	
ELECTRONIC SHUTTER		AES : 1/60(1/50) ~ 1/120,000(1/100,000) sec. / Manual: 8 step	
LENS		Canon 22X optical ZOOM LENS, F1.6-3.8, f=4.0-88mm	
MOTOR- ZOOM / FOCUS / IRIS		500,000 times life	
ZOOM		220X (22X optical 10X digital)	
FOCUS		Auto / Manual	
POSITION		64 Position (Zoom, Focus)	
VIDEO OUTPUT		Composite & Y/C output 1.0Vp-p at 75 ohm	
CONTRAL FUNCTION		Dry Switch , RS-232C(Drive option) , OSD control	
COMMUNICATION BAUD RATE		9600 BPS	
OPERATION TEMPERATURE		-10 ~ 50 °C	
OPERATIONAL HUMIDITY		less than 85%	
POWER SUPPLY		12 Volts DC REGULATED ~ 3.6 Watts	
DIMENSIONS		120 mm (L) X 59 mm (W) X 80 mm (H). ~ 450 grams.	



CONNECTOR



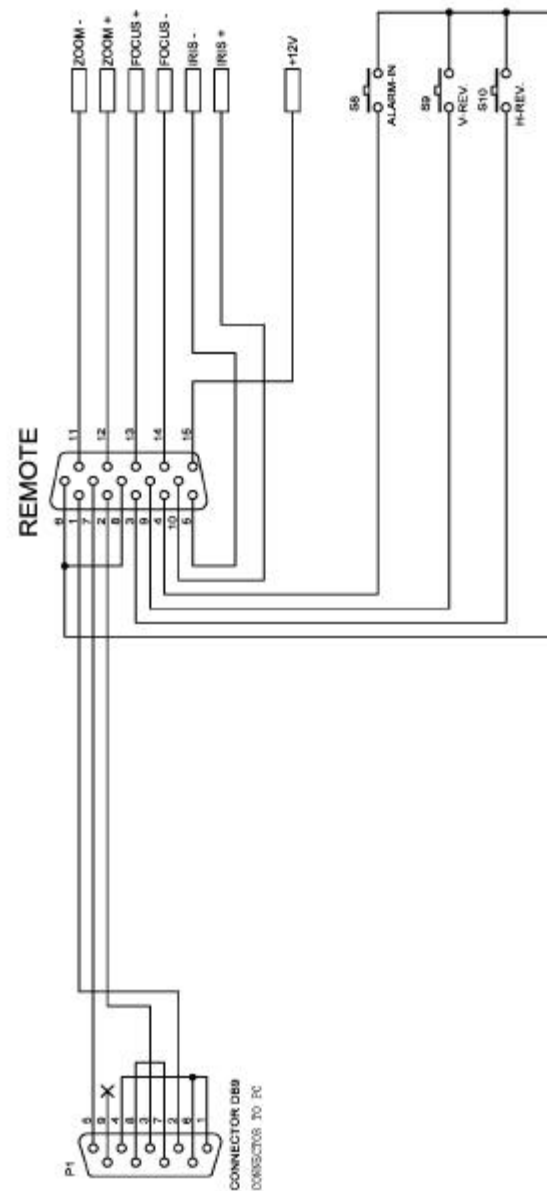
REAR PANEL

- 1 FUNCTION SWITCH OSD or LENS-CONTROL, select by KEY MODE SW
- 2 KEY MODE SW switch FUNCTION SWITCH to OSD or LENS-CONTROL use
- 3 S-VHS S-Video (Y/C) Output
- 4 REMOTE 15 Pin Dsub CONNECTOR

P01	TXD	P06	GND	P11	ZOOM(-)
P02	RXD	P07	GND	P12	ZOOM(+)
P03	H-REV,	P08	GND	P13	FOCUS(+)
P04	ALARM-IN	P09	V-REV.	P14	FOCUS(-)
P05	IRIS(-)	P10	IRIS(+)	P15	+12V

- 5 VIDEO OUT Composite Video output
- 6 PL LED to indicate power on
- 7 POWER INPUT SCREW TERM, for Power input
- 8 LENS LED to indicate FUNCTION SWITCH is use for LENS-CONTROL

REMOTE CONNECTOR REFERENCE



OSD FUNCTION SPECIFICATIO

[UP]	UP & RIGHT MOVE KEY
[DN]	DOWN & LEFT MOVE KEY
[ENT]	ENTER KEY
[PEI]	PRE CONFIRM KEY

Push [ENT] key 2sec. to get Into the MAIN menu

Push [PEI] key 2sec. to leave menu?

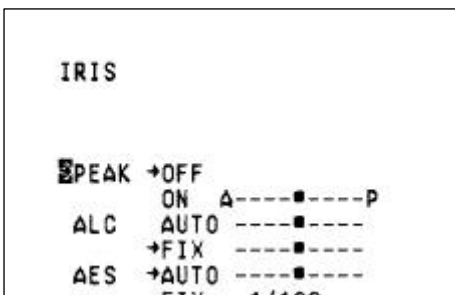
If pushed [PEI] key, all set parameter data will be abandoned and return back to the previous menu page, this will occur while setting the parameter and without push [ENT] key.

- [01]. MAIN MENU
- [02]. IRIS SELECT MENU
- [03]. BLC SELECT MENU
- [04]. AGC, SENS SELECT MENU
- [05]. COLOR SELECT MENU
- [06]. APC SELECT MENU
- [07]. LENS SELECT MENU
- [08]. REV. SELECT MENU
- [09]. POSITION SELECT MEMU
- [10]. TITLE SELECT MENU
- [11]. PRESET SELECT MENU
- NEXT PAGE -----
- [12]. MARK MENU

[01]. MAIN MENU



Push [ENT] 2 seconds to enter main menu
There are 10 items on the main menu selected by up / down key to select item and push [ENT] key to enter sub-item menu.



[02]. IRIS SELECT MENU
This is used to control the iris & shutter speed of the lens. It included 3 items "PEAK", "ALC", "AES".
"PEAK" is used to control the reaction of auto iris, which is based on the average light of picture signal or the light rate of the peak.

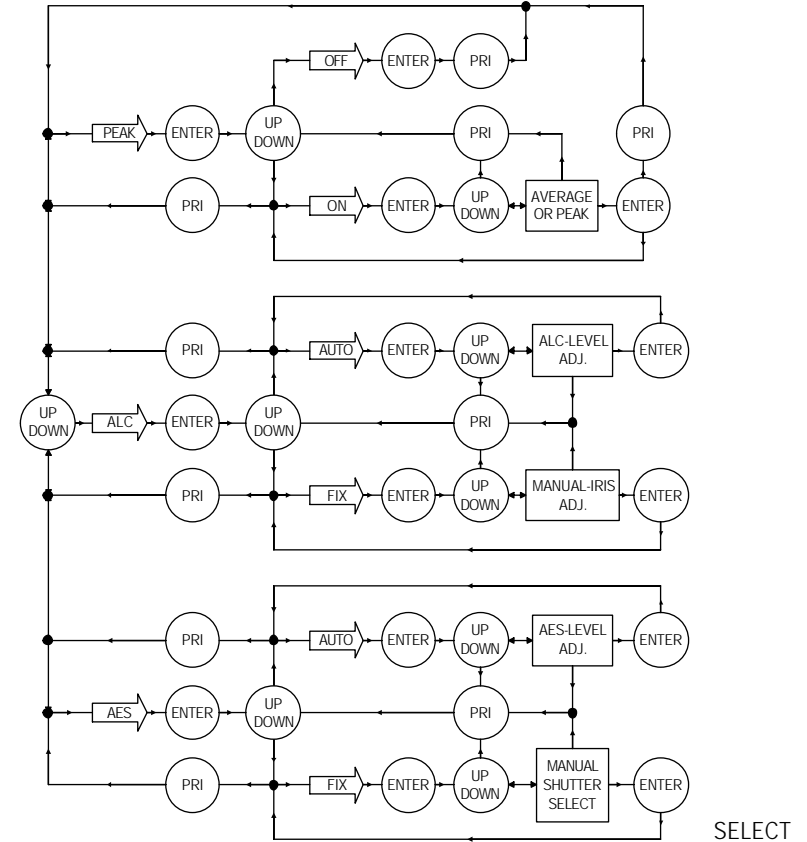
Please refer to [Fig 2-1] chart.

"ALC" is used to select AUTO or MANUAL function. Please refer to [Fig 2-1] chart.

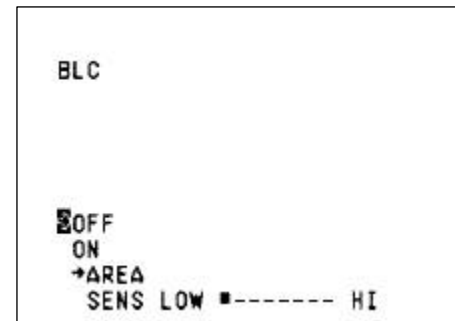
"AES" is used to select electronic shutter be AUTO or MANUAL function. Please refer to [Fig 2-1] chart.
(MANUAL: [OFF] [1/100(1/120)sec] [1/250sec] [1/500sec] [1/1000sec] [1/2000sec] [1/4000sec] [1/10000sec])

After setting, push [PEI] key to go back to the main menu page.

Fig 2-1



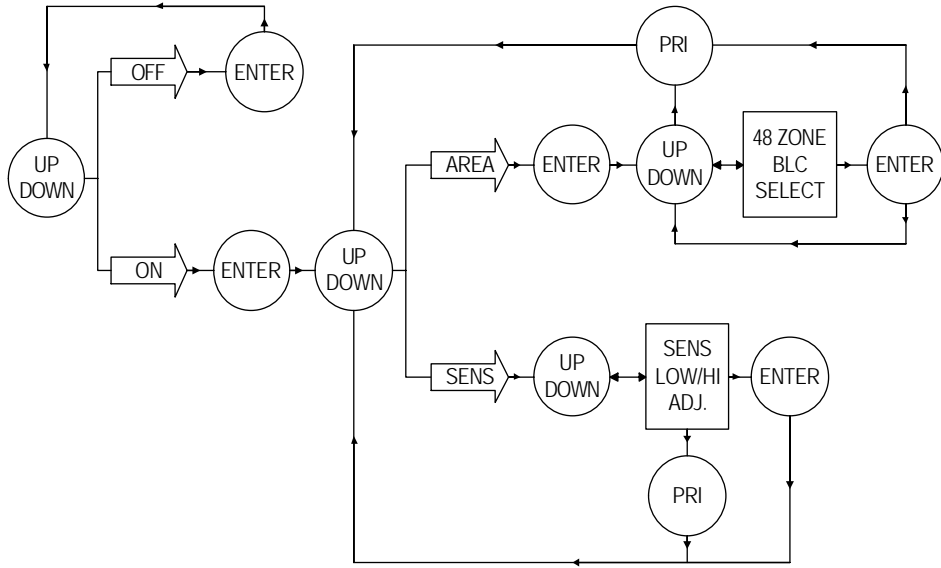
[03]. BLC MENU



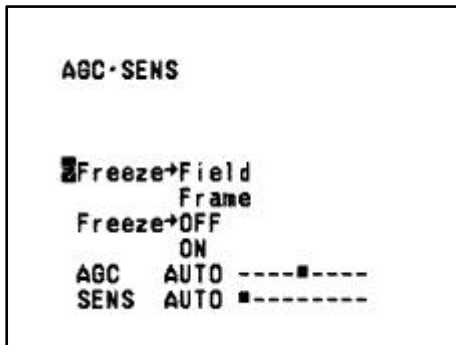
This is used to control "BLC" (Back Light Compensation), "ON" / "OFF"
"ON" has 2 sub-items: "AREA", "SENS"
"AREA": 48 BLC zones can be set separately.
According to the mask area (BLC zone) signal to decide the iris and shutter speed.
"SENS": Is used to enhance the BLC effect.
Please refer to [Fig 3-1] chart.

After setting, push [PEI] key to go back to the main menu page.

Fig 3-1



[04]. AGC, SENS SELECT MENU

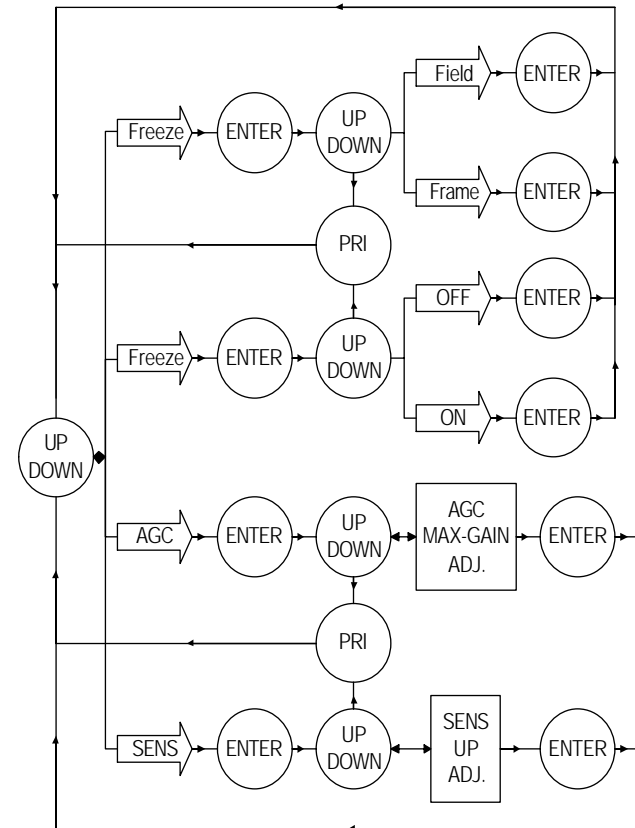


This is used to select "FREEZE" and "AGC", "SENS", function.
 "FREEZE": can be select "Field" or "Frame" two mode, and ON (Freeze)/OFF(Unfreeze)
 "AGC": To adjust auto gain control: 0dB 2.25dB 4.5dB 6.75dB 9dB 11.25dB 13.5dB 15.75dB 18dB, 9 steps adjustable.
 "SENS": For low light application: 0 Frame, 6 Frame 12 Frame 16 Frame 18 Frame 22 Frame 24 Frame 30 Frame 36 Frame, 9 steps adjustable.

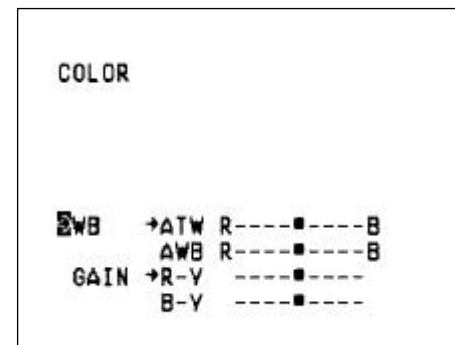
Please refer to [Fig 4-1] chart.

After setting, push [PEI] key to go back to the main menu page.

Fig 4-1



[05]. COLOR SELECT MENU



This is used to control the white balance and the gain rate of "RED" & "BLUE" color.
 "WB": White balance control: "ATW" / "AWB"
 ATW: Auto trace white balance
 AWB: One push white balance. Push "ENT" key "AWB" will start flicker, until flicker stop it will lock the current color temperature at the same time.
 "GAIN": The gain rate of "RED" & "BLUE" can be adjusted separately.
 Please refer to [Fig 5-1] chart.

After setting, push [PEI] key to go back to the main menu page.

Fig 5-1

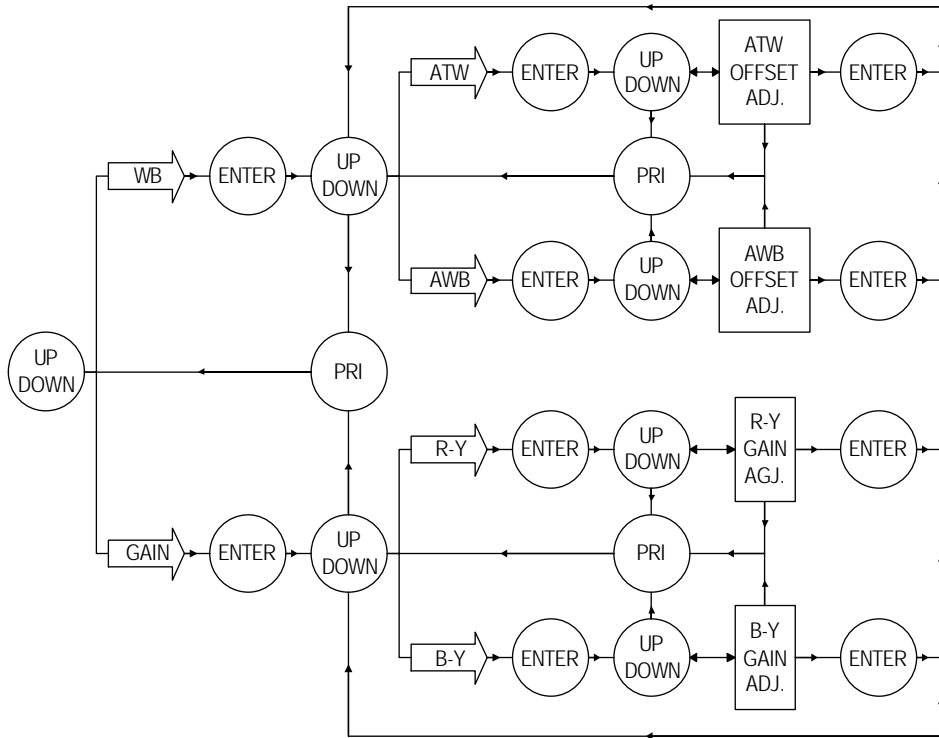
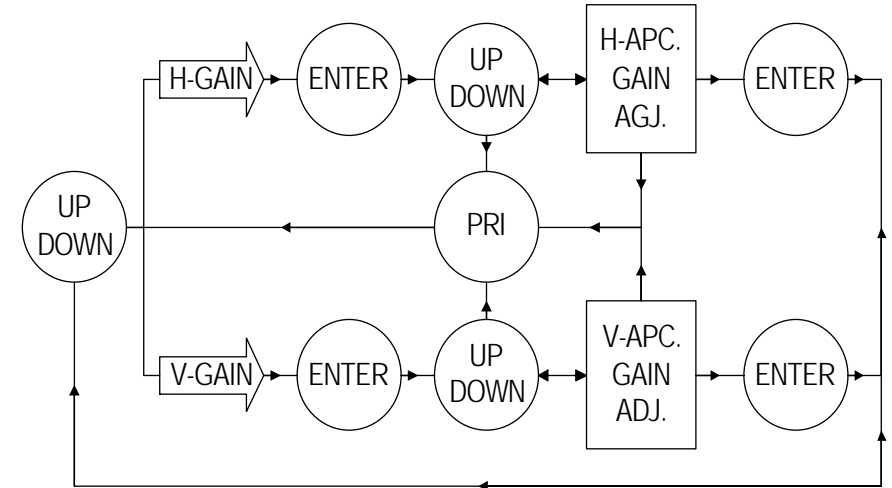
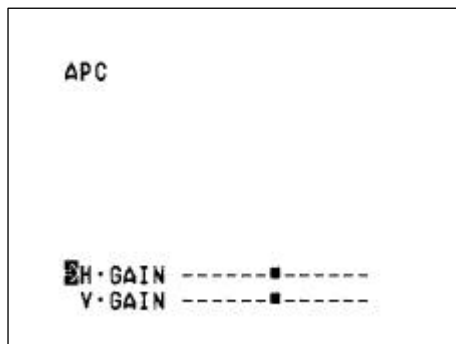


Fig 6-1



[06]. APC SELECT MENU

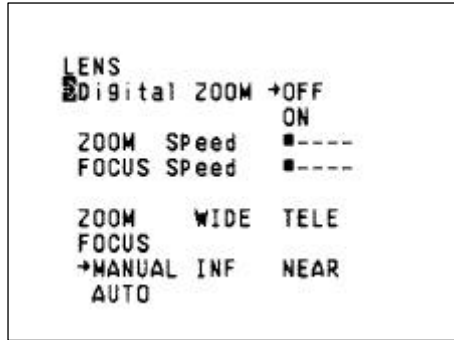


This is used to enhance the compensation of the picture quality.

"H · GAIN": Horizontal Compensation
 "V · GAIN": Vertical Compensation

Please refer to [Fig 6-1] chart.
 After setting, push [PEI] key to go back to the main menu page.

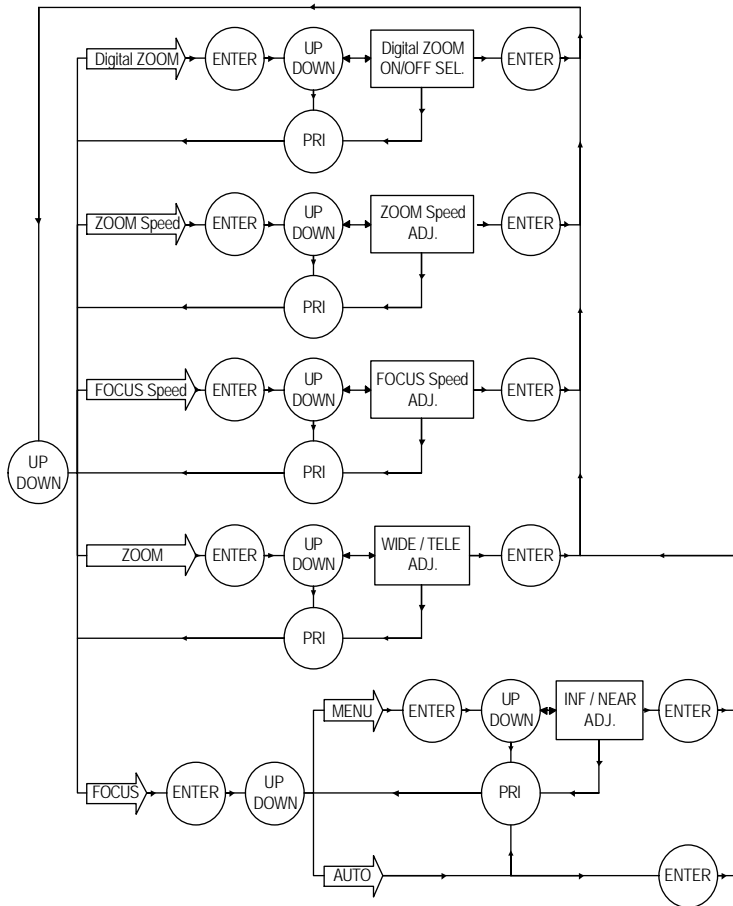
[07]. LENS SELECT MENU



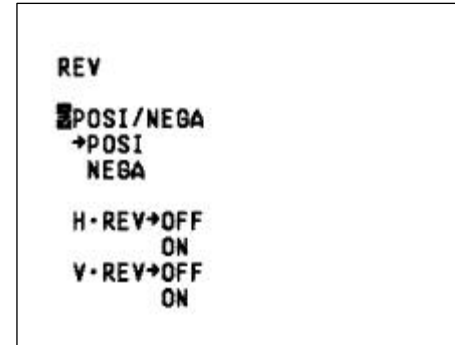
This is used to control the motion of the lens, included "Digital ZOOM" ON/OFF function.
 "ZOOM Speed": Set the speed of the zoom
 "FOCUS Speed" : Set the speed of auto-focus
 "ZOOM": WIDE / TELE
 "FOCUS": AUTO / MANUAL setting

Please refer to [Fig 7-1] chart.
 After setting, push [PEI] key to go back to the main menu page.

Fig 7-1



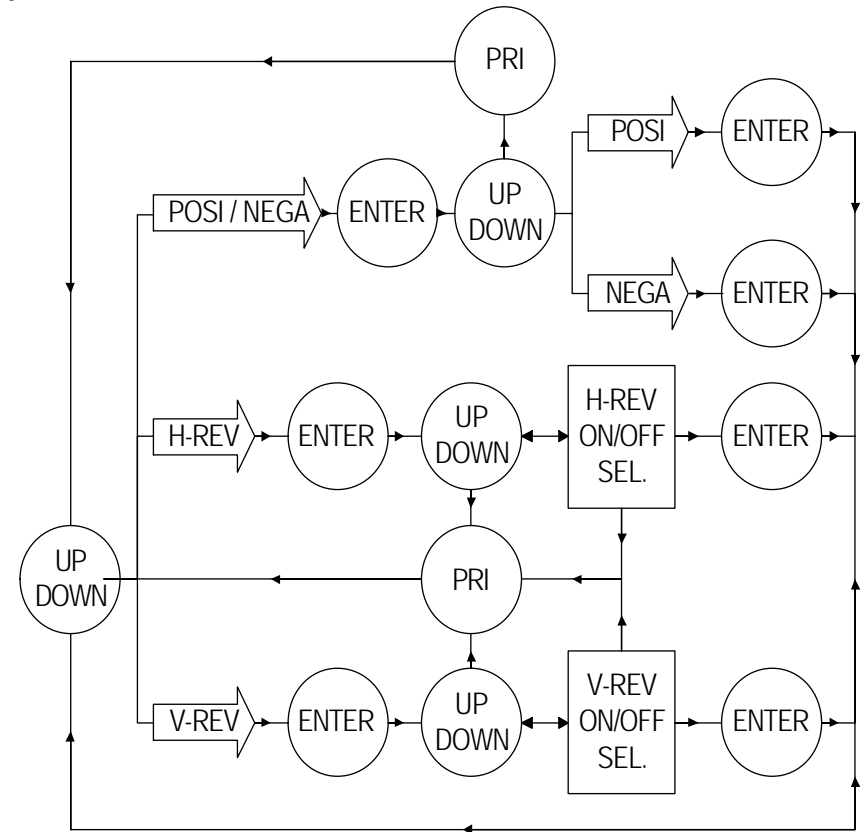
[08]. REV. SELECT MENU



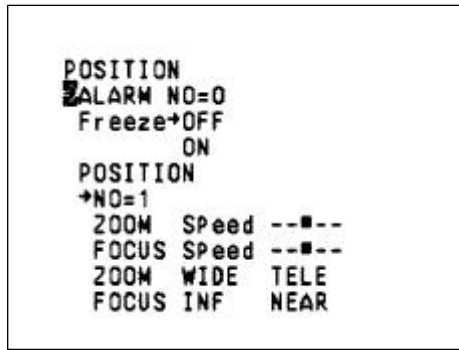
This is used to select image "Positive"and"Negative"
 "Horizontal Reverse"and"Vertical Reverse" function.
POSI/NEGA : Image positive & negative select.
H.REV: Horizontal Reverse (Mirror) ON/OFF
V.REV: Vertical Reverse (Up-side down) ON/OFF

Please refer to [Fig 8-1] chart.
 After setting, push [PEI] key to go back to the main menu page.

Fig 8-1



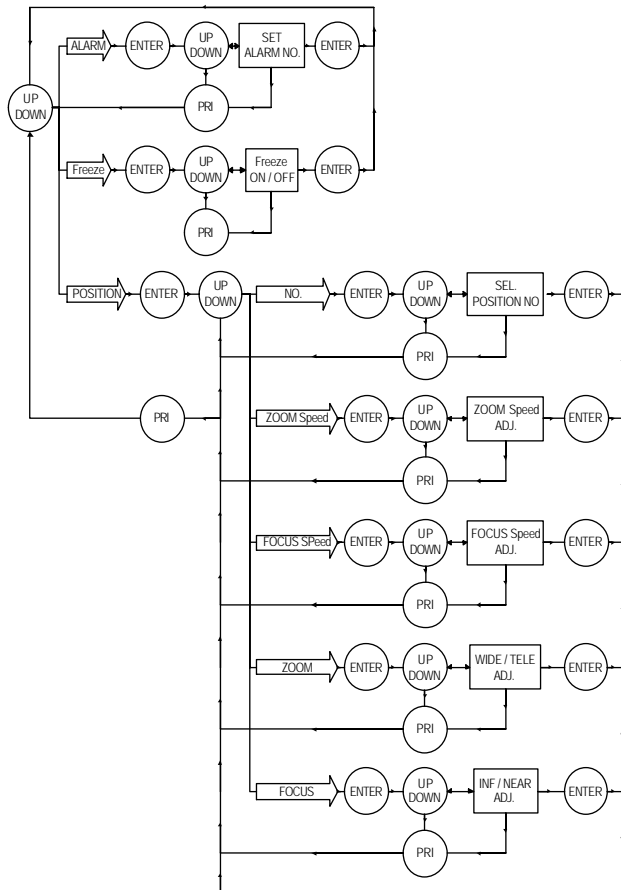
[09]. POSITION SELECT MEMU



This is used to set "Alarm-in" function, either "alarm position" or "Image freeze". Freeze is set on mode, "ALARM-IN" is freeze trigger input. The alarm position have 64 steps (position) can be programmed. By this program, the zoom & focus may go to the exactly position where is programmed.

Please refer to [Fig 9-1] chart. After setting, push [PEI] key to go back to the main menu page.

Fig 9-1



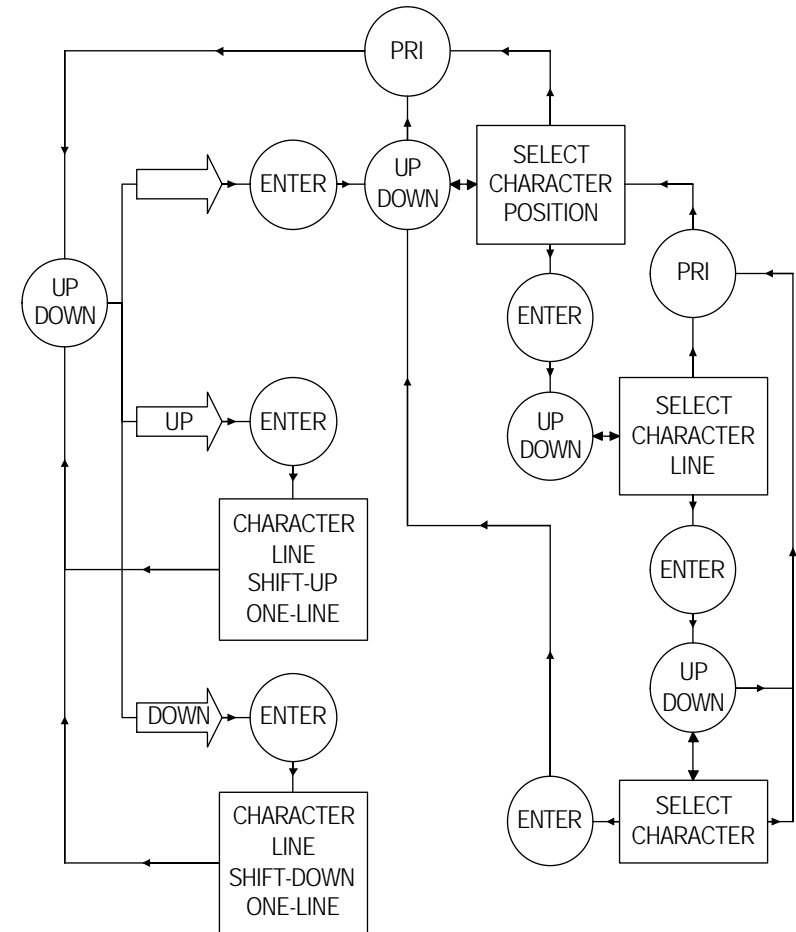
[10]. TITLE SELECT MENU



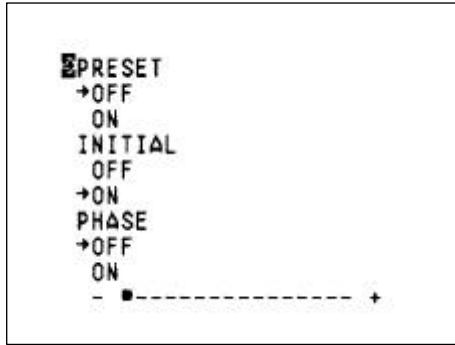
This is used to set up the ID figures & position on the screen. (Title setting)

Please refer to [Fig 10-1] chart. After setting, push [PEI] key to go back to the main menu page.

Fig 10-1



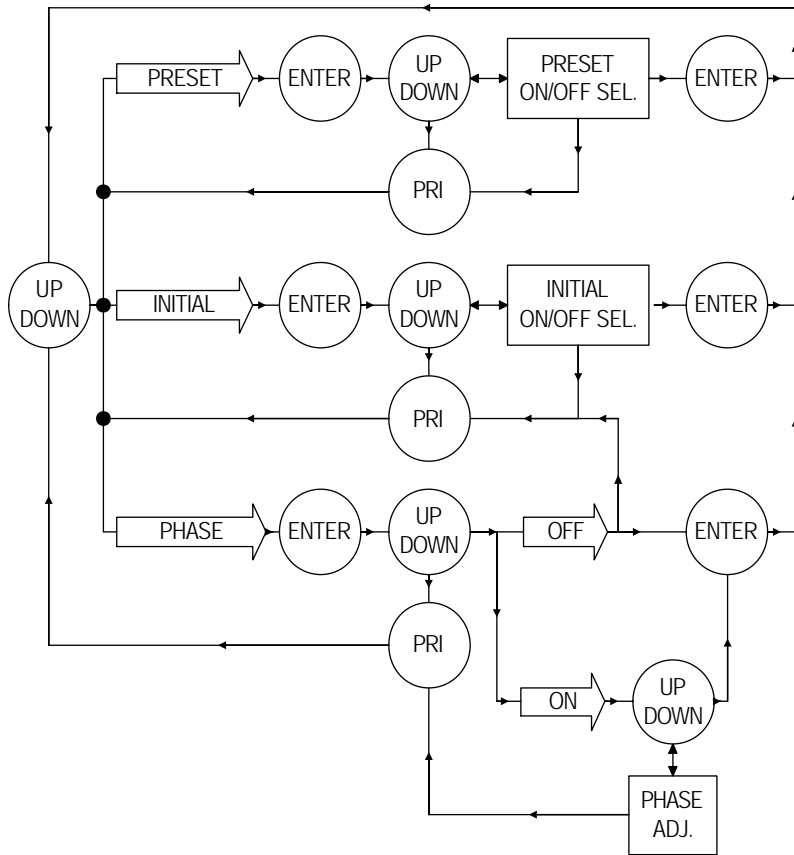
[11]. PRESET SELECT MENU



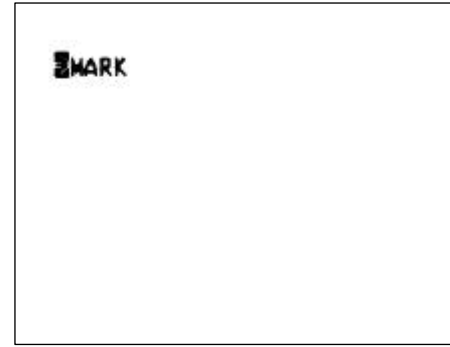
This is used to select the camera go back to "PRESET", "INITIAL", "PHASE" condition

Please refer to [Fig 11-1] chart.
 After setting, push [PEI] key to go back to the main menu page.

Fig 11-1



[12]. MARK MENU



The menu at next page at "PRESET" position push [DOWN] key can into this menu.

Push [ENT] key into ON/OFF select menu



Please refer to [Fig 12-1] chart.

Fig 12-1

