

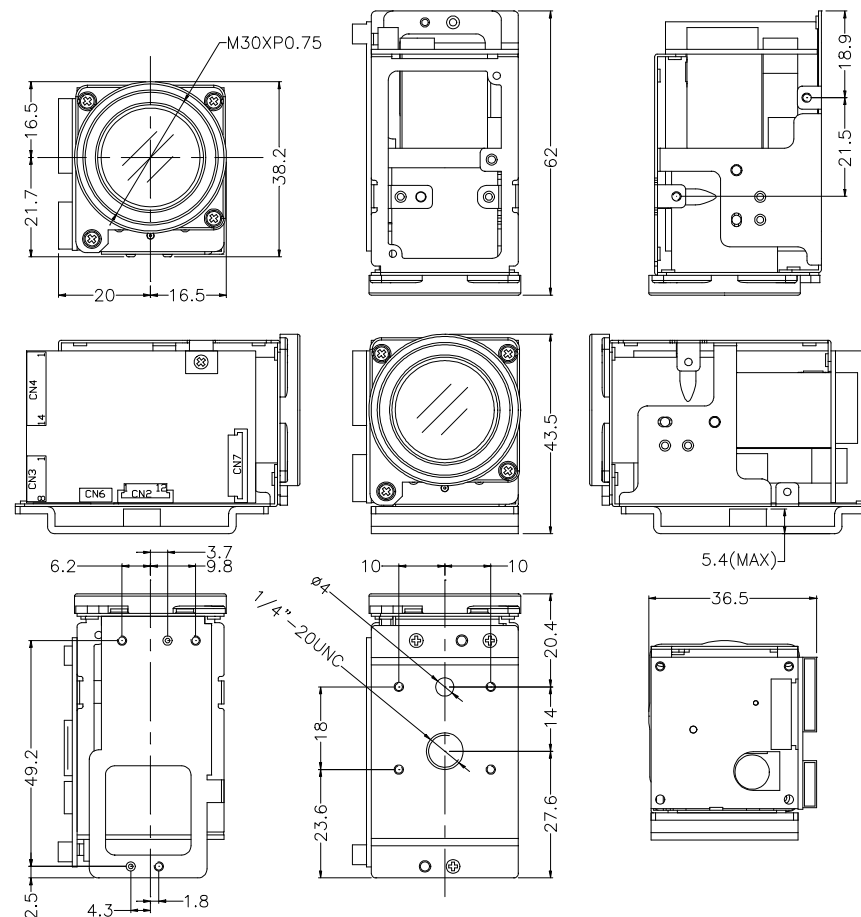
# MTV-54G15H POWER ZOOM CAMERA INSTRUCTION

## SPECIFICATION (RoHS Conform)

MODE NO.	MTV-54G15HN	MTV-54G15HP
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	
MINIMUM ILLUMINATION	Typical 2.5 Lux (F1.8, 5600°K) 50IRE	Star light Mode 0.07 Lux (F1.8, 5600°K) 50IRE
RESOLUTION	520 TVL	
S / N RATIO	48dB ( MIN ) / 52dB ( TYP ) (AGC OFF , r=1 , APC OFF , Y-OUT)	
WHITE BALANCE	ATW / AWB / FIX	
WHITE BALANCE RANGE	3200 ~ 9600 °K	
B.L.C. FUNCTION	Super BLC, 48 zone BLC	
GAMMA CORRECTION	0.45 / 1	
AGC	AUTO (24dB max)	
ALC	AUTO / FIX	
IMAGE NEGATIVE	Select by OSD menu	
MONITOR DETECT	48 zone (select by OSD)	
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 sec. / MANUAL : 8 step	
LENS	10X Optical ZOOM LENS , F1.8(W)~2.9(T), f=4.2mm(W)~42mm(T)	
	Diagonal	W( 56.4° ) / T( 6.1° )
	Hor.	W( 46.4° ) / T( 4.9° )
	Ver.	W( 35.6° ) / T( 3.7° )
ZOOM	100X (10X Optical 10X Digital)	
FOCUS	Auto / Manual	
POSITION	64 Position (Zoom , Focus)	
VIDEO OUTPUT	Composite & Y/C output 1.0Vp-p at 75 ohm	
CONTROL FUNCTION	RS-232C (With Driver) , OSD control	
OSD CONTROL	Zoom, Focus, IRIS, WB, AGC, Position, C-Gain, APC Gain	
OSD LANGUAGE SELECT	ENGLISH / CHINESS_Simp / JAPANESE	
COMMUNICATION BAUD RATE	9600 BPS	
OPERATION TEMPERATURE	-10° C - 50° C	
OPERATIONAL HUMIDITY	within 85%RH	
POWER SUPPLY	DC12V±1V / 3.6W(Max)	
DIMENSIONS	62mm X 36.8mm X 43.8mm	

\* The specifications and appearance of the product may changed without notice.

## Dimension (Unit : mm / ±0.5mm)



## Caution for Installation

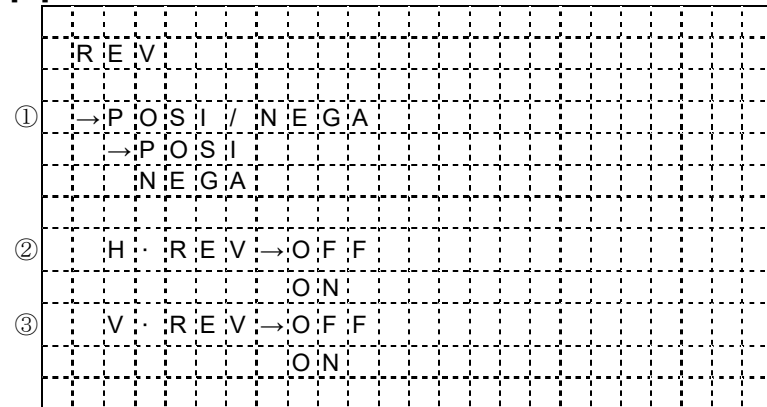
1. Avoid places where there is direct sunlight. When using the camera outside.
2. Be careful, never let any water in this equipment.
3. Do not directly touch the CCD element. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
4. When the camera installs in dust or wet environment, please puts into the camera housing.
5. Be extra careful not to shake the camera.
6. Avoid places where temperatures exceed 50° C or more
7. When any abnormalities occur, make sure to unplug the unit and contact your local dealer.
8. The camera are only operated with regulative adaptor DC 12V, AC to DC non-regulative adaptor may cause camera damaged.







### [07]. REV. SELECT MENU



This is used to select image 「Positive」 and 「Negative」 & 「Horizontal Reverse」 and 「Vertical Reverse」 function.

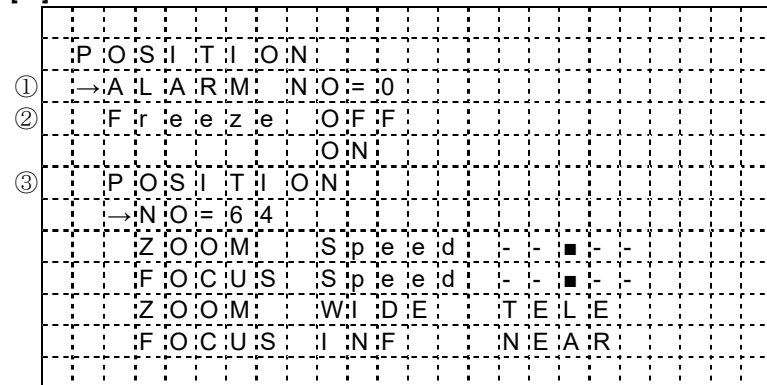
① 「POSI/NEGA」 : Image positive & negative select.

② 「H.REV」 : Horizontal Reverse (Mirror) ON/OFF

③ 「V.REV」 : Vertical Reverse (Up-side down) ON/OFF

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

### [08]. POSITION SELECT MENU



This is used to set 「ALARM-IN」 function, either 「ALARM POSITION」 or 「IMAGE FREEZE」.

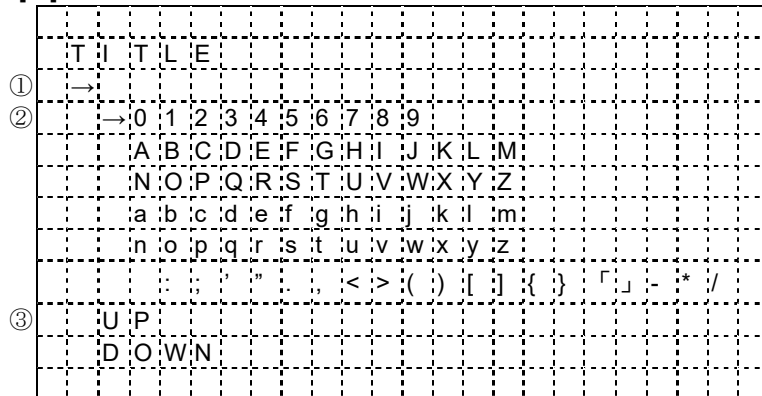
① 「ALARM NO.」 : Set alarm position(1~64), if set to (0) alarm position is not enable.

② 「Freeze」 : Set ON mode, 「ALARM-IN」 is freeze trigger input.

③ 「POSITION」 : 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. After setting, push [PRI] key to go back to the main menu page.

### [09]. TITLE SELECT MENU



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

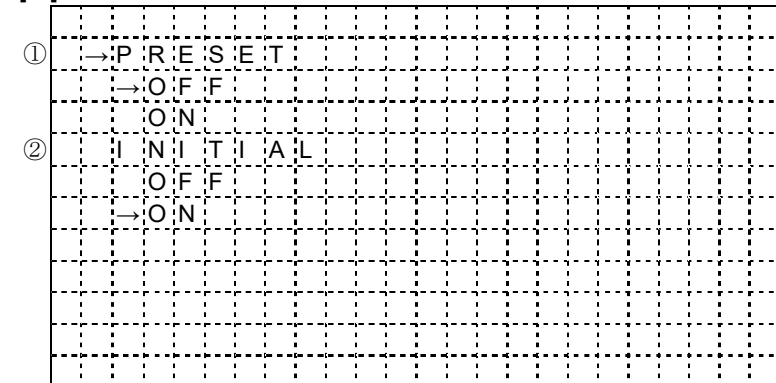
① TITLE start position selector.

② TITLE Character selector.

③ TITLE display position UP or DOWN selector.

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

### [10]. PRESET SELECT MENU



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

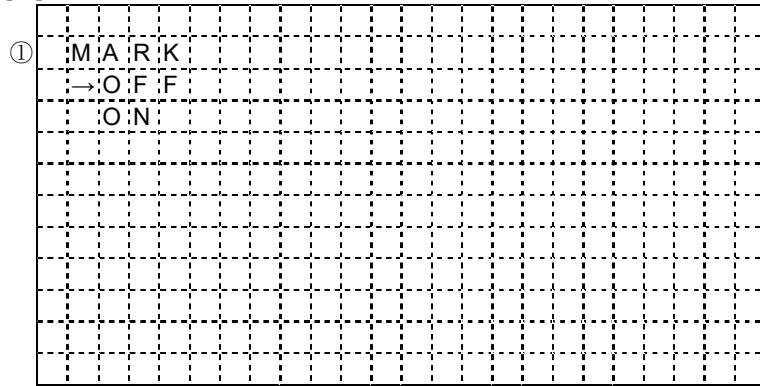
① 「PRESET」 : Set to ON camera will be reset and set to default data.

② 「INITIAL」 select : Set to ON lens is action, Set to OFF lens is do not action.

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

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

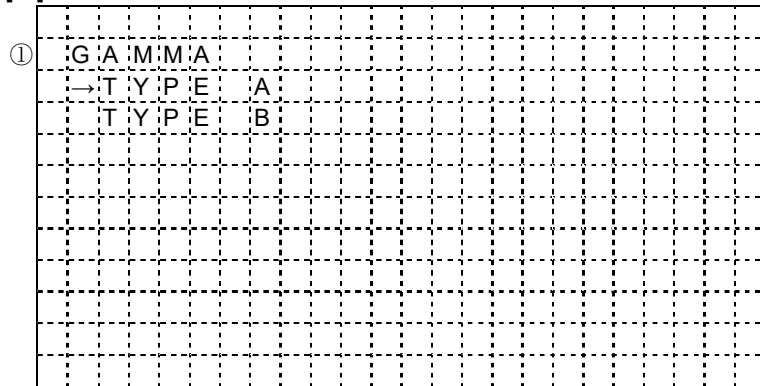
### [11]. MARK MENU



This is used to select the cross line display ON / FF.

- ① 「MARK」 : Cross line ON/OFF select, set ON cross line display, set OFF cross line is hidden.

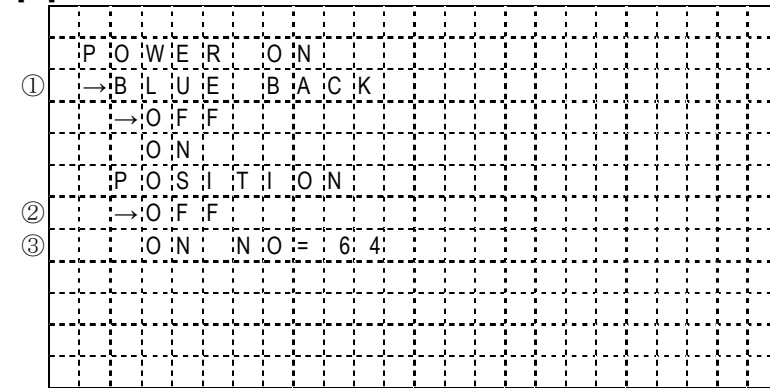
### [12]. GAMMA MENU



This is used to select the camera gamma correction.

- ① 「GAMMA」 select : TYPE-A gamma is 0.45, TYPE-B gamma is 1.0

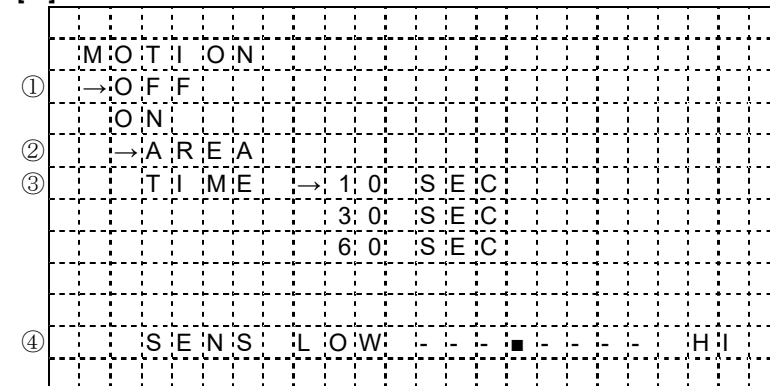
### [13]. POWER ON MENU



This is used to select the camera power on state.

- ① 「BLUE BACK」 : Set to OFF camera power on initial is normal display, Set to ON camera power on initial is display blue back.  
② 「POSITION OFF」 : Camera power on lens position is current position.  
③ 「POSITION ON」 : Camera power on lens position is go to the designation position(1~64).

### [14]. MOTION MENU



This is used to select the motion detect function.

- ① Motion detect ON / OFF select.  
② Motion detect area select.  
③ Motion detect output time select.  
④ Motion detect sensitive adjust.

### [15]. MASK MENU

	M A S K	
①	→ P O S I T I O N N O = 6 4	
②	M A S K N O = 1	
③	→ O F F	
④	O N → H - S T A R T = 2 0	
⑤	H - E N D = 2 0	
⑥	V - S T A R T = 2 0	
⑦	V - E N D = 2 0	
⑧	C O N N E C T → O F F	
	O N	

This is used to select mask area size and position for each setable lens position.

- ① Lens position no. select(1~64)
- ② MASK NO. select(1~4)
- ③ MASK area display ON / OFF select.
- ④ Hor. direction start position.
- ⑤ Hor. direction end position.
- ⑥ Ver. direction start position.
- ⑦ Ver. direction end position.
- ⑧ ZOOM action to link mask area, ON / OFF select..

### [16]. OSD MENU

	O S D	
①	→ P O S I T I O N → O F F	
	O N	
②	M O T I O N → O F F	
	O N	
③	Z O O M M A G → O F F	
	O N	

This is used to select on screen display ON / OFF select.

- ① POSITION NO. display ON / OFF select.
- ② MONTION action display ON / OFF select.
- ③ ZOOM times display ON / OFF select.

### [17]. ZOOM+AF MENU

	Z O O M + A F	
①	Z O O M + A F → O F F	
	O N	
②	A F S l e e p → O F F	
	O N	

This is used to select an occasion for auto focus action.

- ① ZOOM stops time execute lens focus once, action OFF / ON select.
- ② AF Sleep function ON / OFF select.  
(As show screen stillness about 5 minutes cameras come into AF Sleep mode namely, as screen has bigger change time come back again act for normal mode namely.)

### [18]. LANGUAGE MENU

①	L A N G U A G E	
	→ E N G L I S H	
	C H I N E S E	
	J A P A N E S E	

This is used to select OSD manu display language.

- ① OSD display language select, ENGLISH / CHINESE(Simp.) / JAPANESE

