

G22 Specification

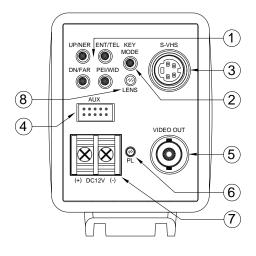
TV_SYSTEM NTSC PAL IMAGE SENSOR 1/4-INCH_CCD_IMAGE_SENSOR CCD TOTAL PIXELS ~ 410K ~ 470K SCANNING_SYSTEM 525 LINES, 60 FIELDS/SEC 625 LINES, 50 FIELDS/SEC SYNC_SYSTEM INTERNAL MINIMUM_ILLUMINATION 0.05 LUX_F1.6 AGC ON B/W RESOLUTION 520 TVL ICR-SET_CONTROL AUTO / MANUAL DNR (DIGITAL NOISE S/N UP 4.5DB WHITE BALANCE RANGE 3200 ~ 9600 °K S / N_RATIO 48DB (MIN) / 52DB (TYP) (AGC OFF, R=1, APC OFF, Y-OUT) B.L.C. FUNCTION SUPER BLC,48 ZONE BLC GAMMA CORRECTION 0.45 / 1 AGC AUTO / FIX SENS UP MAX. 32X_SELECT BY OSD MENU MONTION DETECT 48 ZONE (SELECT BY OSD REDEZE FUNCTION ALARM IN TRIGGER OR SELECT BY OSD		NTOO	241
CCD TOTAL PIXELS ~ 410K ~ 470K SCANNING SYSTEM 525 LINES, 60 FIELDS/SEC 625 LINES, 50 FIELDS/SEC SYNC SYSTEM INTERNAL (625 LINES, 50 FIELDS/SEC) SYNC SYSTEM INTERNAL (625 LINES, 50 FIELDS/SEC) MINIMUM ILLUMINATION 0.05 LUX F1.6 AGC ON B/W (625 LINES, 50 FIELDS/SEC) RESOLUTION 520 TVL (700 MANUAL) (700 MANUAL) DNR (DIGITAL NOISE S/N UP 4.5DB (700 MANUAL) (700 MANUAL) NR REDUCE) S/N UP 4.5DB (700 MANUAL) (700 MANUAL) WHITE BALANCE RANGE 3200 ~ 9600 °K (700 MANUAL) (700 MANUAL) BL.C. FUNCTION SUPER BLC, 48 ZONE BLC (700 MANUAL) (700 MANUAL) AGC AUTO (24DB MAX) (700 C) (710 C) (710 C) AGC AUTO (24DB MAX) (710 C) (710 C) (710 C) AGC AUTO (24DB MAX) (710 C) (710 C) (710 C) AGC AUTO (24DB MAX) (710 C) (710 C) (710 C) IMAGE NEGATIVE SELECT BY OSD MENU (700 MANUAL) (700			PAL
SCANNINGSYSTEM525 LINES, 60 FIELDS/SEC625 LINES, 50 FIELDS/SECSYNCSYSTEMINTERNALMINIMUMILLUMINATION0.05 LUXF1.6 AGC ON B/WRESOLUTIONS20 TVLICR-SETCONTROLLCR-SETCONTROLAUTO / MANUALDNR (DIGITAL NOISE REDUCE)S/N UP 4.5DBWHITE BALANCE RANGE3200 ~ 9600 °KS / N RATIO480B (MIN) / 52DB (TYP)B.L.C. FUNCTIONSUPER BLC,48 ZONE BLCGAMMA CORRECTION0.45 / 1AGCAUTO / Z4DB MAX)ALCAUTO / FIXSENS UPMAX. 32XSELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD MENUMONTION SUPER BLC,4200M LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL COUTPUT 1.0VD-P AT 75 OHMCONTROL FUNCTIONGSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATION AL HUMIDITYWITHIN 85~RHPOWERSUPLYDOWENDC12V±1V / 4W(MAX)		1/4-INCH CCD IMAGE SENSOR	1701/
SYNCSYNCINTERNALMINIMUMILLUMINATION0.05 LUXF1.6 AGC ON B/WRESOLUTION520 TVLICR-SETCONTROLAUTO / MANUALDNR (DIGITAL NOISE REDUCE)S/N UP 4.5DBWHITE BALANCE RANGE3200 ~ 9600 °KS / NRATIO48DB (MIN) / 52DB (TYP)B.L.C. FUNCTIONSUPER BLC,48 ZONE BLCGAMMA CORRECTION0.45 /1AGCAUTO (24DB MAX)ALCAUTO (24DB MAX)ALCAUTO (24DB MAX)ALCAUTO (24DB MAX)ALCAUTO (55D MENUMONTION DETECT48 ZONE (SELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD MENUCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERALS: 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS220X (22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85~RHPOWERSUPLYDC12V±1V / 4W(MAX)			-
MINIMUMILLUMINATION0.05 LUXF1.6 AGC ON B/WRESOLUTION520 TVLICR-SETCONTROLAUTO / MANUALDNR (DIGITAL NOISE REDUCE)S/N UP 4.5DBWHITE BALANCE RANGE3200 ~ 9600 °KS / NRATIO48DB (MIN) / 52DB (TYP) (AGC OFF , R=1 , APC OFF , Y-OUT)B.L.C. FUNCTIONSUPER BLC,48 ZONE BLCGAMMA CORRECTION0.45 /1AGCAUTO / FIXSENS UPMAX. 32XSELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD MENUMONTION ALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS, F1.6~3.7,F=3.9~85.8MMZOOM200X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGUSH (CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATION TEMPERATURE-10°C TO 50°COPERATION TEMPERATURE-10°C TO 50°COPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWERSUPPLYDOUREDDC12V±1V / 4W(MAX) <td></td> <td></td> <td>625 LINES, 50 FIELDS/SEC</td>			625 LINES, 50 FIELDS/SEC
RESOLUTION520 TVLICR-SETCONTROLAUTO / MANUALDNR (DIGITAL NOISE REDUCE)S/N UP 4.5DBWHITE BALANCE RANGE3200 ~ 9600 °KS / NRATIO48DB (MIN) / 52DB (TYP) (AGC OFF , R=1 , APC OFF , Y-OUT)B.L.C. FUNCTIONSUPER BLC, 48 ZONE BLCGAMMA CORRECTION0.45 /1AGCAUTO (24DB MAX)ALCAUTO (7FIXSENS UPMAX. 32X SELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUMAGE NEGATIVESELECT BY OSD MENUMAGE NEGATIVESELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD)FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , R5-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATIONAL HUMIDITYWITHIN 85*RHPOWER SUPPLYDC12V±1V / 4W(MAX)			
ICR-SETCONTROLAUTO / MANUALDNR (DIGITAL NOISE REDUCE)S/N UP 4.5DBWHITE BALANCE RANGE $3200 \sim 9600 \circ$ KS / NRATIO48DB (MIN) / 52DB (TYP)(AGC OFF , R=1 , APC OFF , Y-OUT)B.L.C. FUNCTIONSUPER BLC, 48 ZONE BLCGAMMA CORRECTION0.45 /1AGCAUTO (24DB MAX)ALCAUTO / FIXSENS UPMAX. 32X SELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD)FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDGROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS220X (22X OPTICAL ZOOM LENS, FL.6~3.7, F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)POSITION64 POSITION (ZOOM, FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL, DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)			
DNR (DIGITAL NOISE REDUCE)S/N UP 4.5DBWHITE BALANCE RANGE3200 ~ 9600 °KS / N RATIO48DB (MIN) / 52DB (TYP) (AGC OFF , R=1 , APC OFF , Y-OUT)B.L.C. FUNCTIONSUPER BLC,48 ZONE BLCGAMMA CORRECTION0.45 / 1AGCAUTO (24DB MAX)ALCAUTO / FIXSENS UPMAX. 32X SELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD)FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATIONAL HUMIDITYWITHIN 85~RHPOWER SUPPLYDC12V±1V / 4W(MAX)			
REDUCE)S/N OP 4.50BWHITE BALANCE RANGE3200 ~ 9600 °KS / N RATIO480B (MIN) / 520B (TYP) (AGC OFF , R=1 , APC OFF , Y-OUT)B.L.C. FUNCTIONSUPER BLC,48 ZONE BLCGAMMA CORRECTION0.45 /1AGCAUTO (240B MAX)ALCAUTO (240B MAX)SENS UPMAX. 32X SELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATIONAL HUMIDITYWITHIN 85*RHPOWER SUPPLYDC12V±1V / 4W(MAX)		AUTO / MANUAL	
S / NRATIO48DB (MIN) / 52DB (TYP) (AGC OFF , R=1 , APC OFF , Y-OUT)B.L.C. FUNCTIONSUPER BLC,48 ZONE BLCGAMMA CORRECTION0.45 / 1AGCAUTO (24DB MAX)ALCAUTO (24DB MAX)ALCAUTO / FIXSENS UPMAX. 32X SELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD)FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL , DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)		S/N UP 4.5DB	
B.L.C. FUNCTIONSUPER BLC,48 ZONE BLCGAMMA CORRECTION0.45 /1AGCAUTO (24DB MAX)ALCAUTO / FIXSENS UPMAX. 32X SELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD)FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	WHITE BALANCE RANGE	3200 ~ 9600 °K	
GAMMA CORRECTION0.45 / 1AGCAUTO (24DB MAX)ALCAUTO / FIXSENS UPMAX. 32X SELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD)FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION AL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	S/N RATIO	48DB (MIN) / 52DB (TYP) (AGC O	OFF, R=1, APC OFF, Y-OUT)
AGCAUTO (24DB MAX)ALCAUTO / FIXSENS UPMAX. 32X SELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD)FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85*RHPOWER SUPPLYDC12V±1V / 4W(MAX)	B.L.C. FUNCTION	SUPER BLC,48 ZONE BLC	
ALCAUTO / FIXSENS UPMAX. 32XIMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD)FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	GAMMA CORRECTION	0.45 /1	
ALCAUTO / FIXSENS UPMAX. 32X SELECT BY OSD MENUIMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD)FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	AGC	AUTO (24DB MAX)	
IMAGE NEGATIVESELECT BY OSD MENUMONTION DETECT48 ZONE (SELECT BY OSD)FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)		AUTO / FIX	
MONTION DETECT48 ZONE (SELECT BY OSD)FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	SENS UP	MAX. 32X SELECT BY OSD MENU	
FREEZE FUNCTIONALARM IN TRIGGER OR SELECT BY OSDCROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONALHUMIDITYPOWER SUPPLYDC12V±1V / 4W(MAX)	IMAGE NEGATIVE	SELECT BY OSD MENU	
CROSS LINEON/OFF SELECT BY OSD MENU (POSITION ADJ. BY SOFTWARE)ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)		48 ZONE (SELECT BY OSD)	
ELECTRONIC SHUTTERAES : 1/60(1/50) ~ 1/120,000 SEC. / MANUAL : 8 STEPLENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	FREEZE FUNCTION	ALARM IN TRIGGER OR SELECT BY OS	D
LENS22X OPTICAL ZOOM LENS ,F1.6~3.7,F=3.9~85.8MMZOOM220X (22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	CROSS LINE	ON/OFF SELECT BY OSD MENU (POS	ITION ADJ. BY SOFTWARE)
ZOOM220X(22X OPTICAL 10XDIGITAL)FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	ELECTRONIC SHUTTER	AES: 1/60(1/50) ~ 1/120,000 SEC. /	MANUAL : 8 STEP
FOCUSAUTO / MANUALPOSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	LENS	22X OPTICAL ZOOM LENS ,F1.6~3.7,F	=3.9~85.8MM
POSITION64 POSITION (ZOOM,FOCUS)ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	ZOOM	220X (22X OPTICAL 10XDIGITAL)	
ICR (IR-CUT REMOVEABLE)AUTO / MANUALVIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	FOCUS	AUTO / MANUAL	
VIDEO OUTPUTCOMPOSITE & Y/C OUTPUT 1.0VP-P AT 75 OHMCONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	POSITION	64 POSITION (ZOOM,FOCUS)	
CONTROL FUNCTIONOSD CONTROL ,DRY SWITCH , RS-232OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	ICR (IR-CUT REMOVEABLE)	AUTO / MANUAL	
OSD LANGUAGE SELECTENGLISH / CHINESS_SIMP / JAPANESEOPERATION TEMPERATURE-10°C TO 50°COPERATIONAL HUMIDITYWITHIN 85%RHPOWER SUPPLYDC12V±1V / 4W(MAX)	VIDEO OUTPUT	COMPOSITE & Y/C OUTPUT 1.0VP-P A	Т 75 ОНМ
OPERATION TEMPERATURE -10°C TO 50°C OPERATIONAL HUMIDITY WITHIN 85%RH POWER SUPPLY DC12V±1V / 4W(MAX)	CONTROL FUNCTION	OSD CONTROL , DRY SWITCH , RS-232	
OPERATIONAL HUMIDITY WITHIN 85%RH POWER SUPPLY DC12V±1V / 4W(MAX)	OSD LANGUAGE SELECT		
POWER SUPPLY DC12V±1V / 4W(MAX)	OPERATION TEMPERATURE	-10℃ TO 50℃	
POWER SUPPLY DC12V±1V / 4W(MAX)	OPERATIONAL HUMIDITY	WITHIN 85%RH	
	POWER SUPPLY	DC12V±1V / 4W(MAX)	
	DIMENSIONS		

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 Sensor device. 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 $^\circ\!\mathrm{C}$ or more.
- 7. Be extra careful not to mistake plug in connect.
- 8. The camera are only operated with regulative adaptor DC 12V, AC to DC non-regulative adaptor may cause camera damaged.



Dimension (Unit : mm / ±0.5mm)



Rear board definition

59mm(W) X 80mm(H) X 120mm (L)

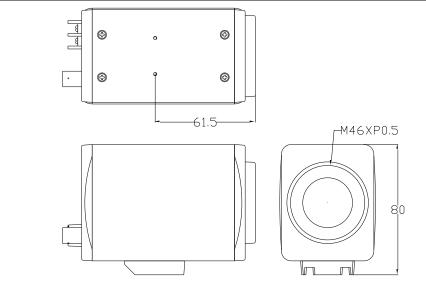
- 1 function switch
- 2 key mode sw
- ③ s-vhs
- ④ AUX (option)
- **S** VIDEO OUT
- 6 LED
- 7 POWER
- **8** LENS



Item No.MTV-64G22H-ICR

- CVBS Video out
- Power: DC 12V/ 4W (MAX)
- AUX (option)
- 22X optical ZOOM ,F1.6~3.7,f=3.9~85.8mm
- IR-Cut Removable
- OSD control
- ICR-SET control by AGC

Features : G22 common functions



Model No.AF X22 Zoom 企_VER1.0 OSD FUNCTION SPECIFICATIO

[UP]	: UP & RIGHT MOVE KEY
[DOWN]	: DOWN & LEFT MOVE KEY
[ENTER]	: ENTER KEY
[PRI]	: PRE CONFIRM KEY

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

Push [PRI] key 2sec. to leave menu.

If pushed [PRI] 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 [ENTER] key.

Push [UP], [DOWN] Two key at one time, screen will show COLOR BAR, want to recover normal display,

Push again [UP], [DOWN] Two key at one time, screen will recover normal display

MAIN-PAGE

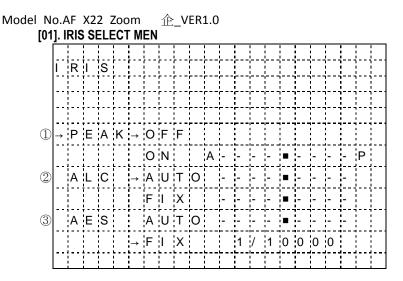
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Push [ENTER] 2 senc, get into the main menu

There are 19 items on the main menu, by up / down key to select item and push [ENTER] key to get into sub-item menu.



This is used to control the iris & shutter speed of the lens. It included 3 items "PEAK", "ALC", "AES".

- ① 「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.

 $\ensuremath{{}^{\circ}}$ TAES is used to select electronic shutter be AUTO or FIX function, at AUTO mode can be adjust

AES level, at FIX mode can be selector shutter speed at below, [OFF] , [1/100sec] , [1/250sec] ,

[1/500sec] , [1/1000sec] , [1/2000sec] , [1/4000sec] , [1/10000sec] After setting, push [PRI] key to go back to the main menu page.

[02]. BLC SELECT MENU

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This is used to control "BLC" (Back Light Compensation),

1 \ulcorner BLC \lrcorner ON / OFF selector.

Selector 「ON」 has 2 sub-items: 「AREA」, 「SENS」.

CAREA_J : 48 BLC zones can be set separatly. According to the mask area (BLC zone) signal to decide the iris and shutter speed.

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

[03]. AGC, SENS SELECT MENU

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Model No.AF X22 Zoom 企_VER1.0



This is used to select 「FREEZE」 and 「AGC」 & 「SENS」 function.

- ① 「FREEZE」 ON / OFF: ON (Freeze) / OFF(Unfreezef).
- ② 「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.

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

[04]. COLOR SELECT MENU

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This is used to control the color ON/OFF and white balance and the gain rate of RED & BLUE color.

① [「]COLOR」 selector: OFF is monochrome image, ON is normal color image, AUTO is at low light AGC up, display image will be auto change to monochrome image.

② 「WB」 White balance control: ATW is Auto trace white balance, can be adjust offset level. AWB is One

push white balance. Push [ENTER] key [「]AWB」 will start flicker, until flicker stop it will lock the current color temperature at the same time.

③ 「GAIN」: The gain rate of R-Y & B-Y can be adjusted separately. After setting, push [PRI] key to go back to the main menu page.

[05]. APC SELECT MENU

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

① $^{\mathsf{\Gamma}}\mathsf{H} \cdot \mathsf{GAIN} \downarrow$: Horizontal Compensation

② $\lceil V \cdot GAIN \rfloor$: Vertical Compensation

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

[06]. LENS SELECT MENU

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This is used to control the montion of the lens, included "Digital ZOOM" ON/OFF and times set function.

- ① 「Digital ZOOM」 selector:OFF 、X2 、X4 、X6 、X8 、X10.
- O <code>FZOOM Speed </code> : Set the speed of the zoom.
- (3) \lceil FOCUS Speed \lrcorner : Set the speed of focus.
- ④ 「ZOOM」: Lens ZOOM adjust WIDE / TELE
- 5 FOCUS : AUTO / MANUAL setting

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

[07]. REV. SELECT MENU

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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

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

[08]. POSITION SELECT MEMU

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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 programed. By this program,the zoom & focus may go to the exactly position where is programed. After setting, push [PRI] key to go back to the main menu page.

Model No.AF X22 Zoom 企_VER1.0 [09]. ID SELECT MENU TLE ТІ 1 2 0 1 2 3 4 5 6 7 8 9 ABCDEFGHIJKLM NOPQRSTUVWXYZ abcdefghijklm n opqrstuvwxyz □ : < > () [] { Г } P 3 U D OWN

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

①TITLE start position selector.

②TITLE Character selector.

③TITLE display position UP or DOWN selector.

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

[10]. PRESET SELECT MENU

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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.

- O <code>「INITIAL」</code> select : Set to ON lens is action,Set to OFF lens is do not action.
- ③ 「PHASE」 adj select: Set to OFF ext-sync is disable,Set to ON ext-VD sync is enable, (EXT-VD signal must be input)
- ④PHASE set to ON sync-phase adjustment.

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

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

Model No.AF X22 Zoom 企_VER1.0

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

[12]. GAMMA MENU

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This is used to select the camera gamma correction.

 $\textcircled{1}\ ^{\mathsf{\Gamma}}\mathsf{GAMMA} \lrcorner$ select : TYPE-A gamma is 0.45, TYPE-B gamma is 1.0

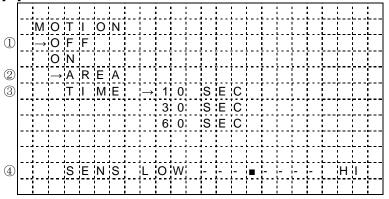
[13]. POWER ON MENU

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This is used to select the camera power on state.

- ① 「BLUE BACK」: Set to OFF camaer power on initial is normal display, Set to ON camaer 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 montion detcet function.

①Motion detect ON / OFF select.

2 Motion detect area select.

③Motion detect output time select.

④ Motion detect sensitive adjust.

%The specifications and appearance of the product may change without notice.

MINTRON

Model No.AF X22 Zoom 企_VER1.0 [15]. MASK MENU MASK \rightarrow P O S I T I O N 1 N O = 6 42 M.A.S.K N O = 1 ...! 3 OFF S T A R T E N D S T A R T E N D 4 ΟΝ 2 2 Н 0 = 5 0 Н ;=.; 2 0 2 0 6 V = \bigcirc V 8 CONNEC ÷т OFF

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

0 N

①Lens position no. select(1~64)

2 MASK NO. select(1~4)

③MASK area display ON / OFF select.

④Hor. direction start position.

5 Hor. direction end position.

6 Ver. direction start position.

⑦Ver. direction end position.

8 ZOOM action to link mask area, ON / OFF select..

[16]. OSD MENU

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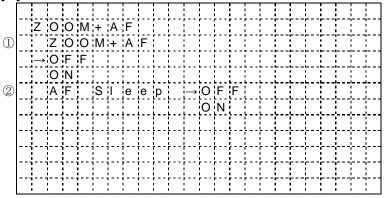
This is used to select on screen display ON / OFF select.

①POSITION NO. display ON / OFF select.

②MONTION action display ON / OFF select.

③ZOOM times display ON / OFF select.

[17]. ZOOM+AF MENU



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

①ZOOM 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.)

%The specifications and appearance of the product may change without notice.

MINTRON

Model No.AF X22 Zoom $\textcircled{L}_VER1.0$ [18]. LANGUAGE MENU 1 \fbox{L} A N G U A G E \rightarrow E N G L I S H \fbox{C} H I N E S E \fbox{J} A P A N E S E \vcenter{I} \mathrel{I} \mathrel{I}

This is used to select OSD manu display language. ①OSD display language select, ENGLISH / CHINESE(Simp.) / JAPANESE

[19]. COMMUNICATION ID MENU

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This is used to select communcation ID and mode.

①Communication ID number's set.(Enactment supply controller identification camera uses ID number.) ②MODE choice

1:1 : One controller to control one Camera.

1:N : One controller to control many Camera.

%The specifications and appearance of the product may change without notice.

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