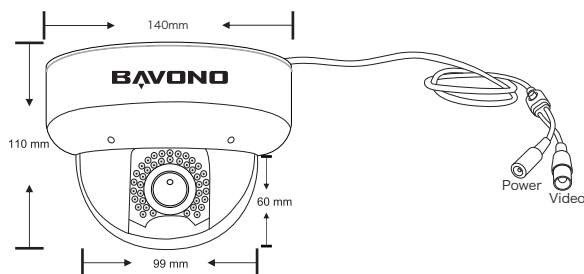


User Manual

BVO308F 700TVL Vandal Proof IR Dome Camera



Product Wiring Diagram



MENU OPERATION 01



Menu Operation

Connect UTC controller to the video end of the cable to enable remote OSD control

- Press[SET]
The Menu screen appears on the monitor.
Check the current settings on the menu.
- Use [UP] or [DOWN] button to select the [EXIT] then use [LEFT] or [RIGHT] button to select a mode.
-EXIT: Exit the setup menu.

EXPOSURE SETTINGS 02



ALC	BRIGHTNESS	0-20
	SHUTTER	INDOOR, OUTDOOR, 1/100, 1/120 ~ 1/120K
	FLK	OFF / ON
ELC	AGC	OFF / ON (1-20)
	IRIS SPEED	0-20
	BRIGHTNESS	0-20
ELC	SHUTTER	AUTO, 1/50, 1/60 ~ 1/120K
	FLK	OFF / ON
	AGC	OFF / ON (1-20)

DAY & NIGHT SETTINGS 03



AUTO	AGC THRS	0-20
	AGC MARGIN	0-20
	D/N DELAY	0-15 sec
	B/W BURST	OFF / ON
	SMART IR	ANTI-SAT: off-20, SAT AREA: 0-20
DAY	B/W BURST	OFF / ON
	SMART IR	ANTI-SAT: off-20, SAT AREA: 0-20
	EXTERN S/W	LOW / HIGH
EXTERN	D/N DELAY	0-15 sec
	B/W BURST	OFF / ON
	SMART IR	ANTI-SAT: off-20, SAT AREA: 0-20
CDS	CDS D->N	0-20
	CDS N->D	0-20
	D/N DELAY	0-15 sec
	B/W BURST	OFF / ON
	SMART IR	ANTI-SAT: off-20, SAT AREA: 0-20

WHITE BALANCE SETTINGS 04



ATW	
PUSH	PUSHING
MANUAL	RED (0-20), BLUE (0-20)

DISPLAY ADJUSTMENT SETTINGS 05



GAMMA	0.35 ~ 0.70
CHROMA	0-20
SHARPNESS	0-20
DE-BACK NOISE	0-10
SHADING	0-20
RESOLUTION	0-15
WARM COLOR	0-20
COOL COLOR	0-20

IMAGE SETTINGS 06



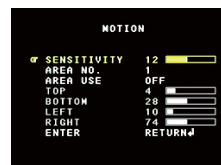
BACKLIGHT	OFF	
	BLC	Level(Low/Middle/High), Display (Off/On), Position (Top/Bottom/Left/Right)
CONTRAST	HLC	Level(Low/Middle/High)
	OFF	
CONTRAST	WDR	Auto, Manual, Level (Low, Middle, High)
	DEFOG	Auto, Manual, Level (Low, Middle, High)
POSI/NEGA	POSI, NEGA	
	H-MIRROR	OFF
PRIVACY	ON	Mask LV (12 Color), Area No (1-8), Display (Off/On), Position (Top/Bottom/Left/Right)

DNR SETTINGS 07



DNR	OFF / LOW / MIDDLE / HIGH
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MOTION DETECTION SETTINGS 08



OFF / ON	SENSITIVITY	0-30
	AREA NO.	1 - 4
	AREA USE	OFF / ON
	POSITION	TOP/BOTTOM/LEFT/RIGHT

SYSTEM SETTINGS 09



CAM TITLE	OFF / ON	
CAM ID	0 ~ 255	
ID DISPLAY	OFF / ON	
SYNC	INT / L/L(AC Power)	
BAUDRATE	2400/4800/9600/57600/115200	
PROTOCOL	PELCO-D / PELCO-P	
LANGUAGE	ENGLISH / CHINESE	
SPECIAL	DEFECT DETECTION	
	FONT COLOR VERSION	1-8

Specifications

Model	BVO308F
Video Standard	NTSC / PAL
Image Sensor	1/3" Sony Super-HAD II CCD
Total Picture Elements	811(H) X 508(V) / 795(H) X 596(V)
Effective Picture Elements	768(H) X 494(V) / 752(H) X 582(V)
Synchronizing System	Internal, AC Line Lock Color: More than 700 TVL B/W: More than 800 TVL
Horizontal Resolution	Color: 0.05 Lux@F1.2(50IRE) / 0.06 Lux(15IRE) B/W: 0.01 Lux@F1.2(50IRE) / 0.006 Lux(15IRE)
Minimum Illumination	30 units Effective IR Range 15-20m Video S/N Ratio 52dB
IR LED	30 units
Effective IR Range	15-20m
Video S/N Ratio	52dB
OSD Language	Simplified Chinese / English / Japanese
Day / Night Mode	AUTO / COLOR / B/W / EXT
WER (Wide Extended Range)	OFF / LOW / MIDDLE / HIGH
ALC (Auto Level Control)	AI Lens (DC)
ELC (Electronic Level Control)	Off/On (~ 1/200sec)
High Speed Shutter	1/60(1/50) ~ 1/120K sec
Flickerless Mode	OFF / ON
Auto Gain Control (AGC)	Level Setting
Gamma	0.45 / 0.7 / 1.0
Digital Noise Reduction (DNR)	OFF / LOW / MIDDLE / HIGH (Adaptive 2D)
White Balance	ATW / AWC / Manual
Camera No. / ID	Off/On (Max. 256 NO, 8ea ID/1Line)
Motion Detection	4 Zones
Privacy Masking	4 Zones
Alarm Output	1 ea (Open Collector) - Optional
Remote Control	UART (Tx/RX, 3.3Vp-p)
Lens	2.8-12mm
Protection Rating	IP65
Video Output	VBS 1.0V p-p (75ohm Terminated)
Power Requirement	DC12V ± 10%
Power Consumption	Less than 1.5W
Operating Temperature	-10°C ~ +50°C
Operating Humidity	Less than 90%
Shell Material	Metal
Dimensions (mm)	140(Ø) x 110(H)
Gross Weight (g)	1030

Note

- Please use the connector of the camera to a DC 12V regulated power supply.
- The tolerance of this unit is DC 12V ± 10 %
- Over the maximum DC 12V power input will damage the video output connector (VIDEO OUT)

CAUTION
RISK OF ELECTRIC SHOCK

Caution:
To reduce the risk of electric shock, do not expose this apparatus to rain or moisture. Only operate this apparatus from the type of power source indicated on the label. The company shall not be liable for any damages arising out of any improper use, even if we have been advised of the possibility of such damages.