



5436 W Crenshaw St. Tampa, FL 33634
Tel: 866-446-3595 / 813-888-9555
Fax: 813-888-9262
www.Digital-Watchdog.com
technicalsupport@dwcc.tv
Technical Support Hours: Monday-Friday
8:30am to 8:00pm Eastern Time

V3363D, V3363D922 V3363DH V3367WD, V3367WTIR Vandal Dome Camera

User Manual



ABOUT MANUAL

Before installing and using the camera, please read this manual carefully.
Be sure to keep it handy for future reference.

PRECAUTIONS

- Do not open or modify.
- Do not open the case except during maintenance and installation, for it may be dangerous and can cause damages.
- Do not put objects into the unit.
- Keep metal objects and flammable substances from entering the camera. It can cause fire, short-circuits, or other damages.
- Be careful when handling the unit.
- To prevent damages, do not drop the camera or subject it to shock or vibration.
- Do not install near electric or magnetic fields.
- Protect from humidity and dust.
- Protect from high temperature.
- Be careful when installing near the ceiling of a kitchen or a boiler room, as the temperature may rise to high levels.
- Cleaning
- To remove dirt from the case, moisten a soft cloth with a soft detergent solution and wipe.
- Mounting Surface
- The material of the mounting surface must be strong enough to support the camera.

FCC COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates, uses, and radiates radio frequency energy; and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications.

WARNING: Changes or modifications are not expressly approved by the manufacturer.

TROUBLESHOOTING

Before sending your camera for repair, check the following or contact our technical specialist.

No VIDEO

Check the coaxial cable and make sure it is connected securely.

Check the lens' iris adjustment at the menu setup of the camera.

Check the power supply and make sure the camera has the proper voltage and current.

Out-of-Focus VIDEO

Check the clear dome cover and the lens for dirt or fingerprints. Use a soft cloth and gently clean.

Check the lens manual focal and zoom adjustment. Field test monitor is recommended.

FEATURES* - V3363D

- 1/3" High Resolution CCD
- High Resolution 560TV Lines
- 3.3 ~ 12mm Varifocal Auto Iris Lens
- Electronic Day and Night
- Star-Light (Super Low Light Technology)
- DRC (Dynamic Range Compressor)

Dark spots in images particularly become more visible without overexposing the bright spots to create one perfect image.

- 3D-DNR (3D Digital Noise Reduction)
Produces less noise and more color during low-light application.
- HME (Highlight Mask Exposure)
Masks overly exposed light to produce a true video image of any environment.
- BLC (Back Light Compensation)
- Programmable Privacy Zone (8) & Motion Detection
- Easy Icon Driven OSD Menu with Built-In Joystick
- Auto Sensing 12VDC or 24VAC with Line Lock
- No Fog or Condensation under Any Weather Condition

FEATURES* - V3363D922

- 1/3" High Resolution CCD
- High Resolution 560TV Lines
- 9~22mm Varifocal Auto Iris Lens
- Electronic Day and Night
- Star-Light (Super Low Light Technology)
- DRC (Dynamic Range Compressor)

Dark spots in images particularly become more visible without overexposing the bright spots to create one perfect image.

- 3D-DNR (3D Digital Noise Reduction)
Produces less noise and more color during low-light application.
- HME (Highlight Mask Exposure)
Masks overly exposed light to produce a true video image of any environment.
- BLC (Back Light Compensation)
- Programmable Privacy Zone (8) & Motion Detection
- Easy Icon Driven OSD Menu with Built-In Joystick
- Auto Sensing 12VDC or 24VAC with Line Lock
- No Fog or Condensation under Any Weather Condition

FEATURES* - V3363DH

- 1/3" High Resolution CCD
- High Resolution 560TV Lines
- 3.3~12mm Varifocal Auto Iris Lens
- Electronic Day and Night
- Star-Light (Super Low Light Technology)
- DRC (Dynamic Range Compressor)
 - Dark spots in images particularly become more visible without overexposing the bright spots to create one perfect image.
- 3D-DNR (3D Digital Noise Reduction)
 - Produces less noise and more color during low-light application.
- HME (Highlight Mask Exposure)
 - Masks overly exposed light to produce a true video image of any environment.
- BLC (Back Light Compensation)
- Programmable Privacy Zone (8) & Motion Detection
- Easy Icon Driven OSD Menu with Built-In Joystick
- Auto Sensing 12VDC or 24VAC with Line Lock
- Built-in Heater , Withstand Temperatures as Low as -40°F
- No Fog or Condensation under Any Weather Condition

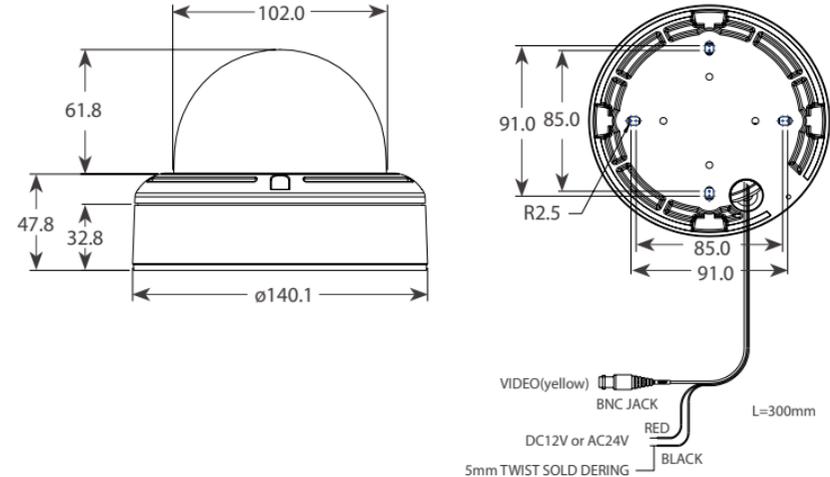
FEATURES* - V3367WD

- 1/3" Sony Super HAD II CCD
- High Resolution 560TV Lines
- 3.3~12mm Varifocal Auto Iris Lens
- Electronic Day and Night
- Star-Light (Super Low Light Technology)
- DRC (Dynamic Range Compressor)
 - Dark spots in images particularly become more visible without overexposing the bright spots to create one perfect image.
- 3D-DNR (3D Digital Noise Reduction)
 - Produces less noise and more color during low-light application.
- HME (Highlight Mask Exposure)
 - Masks overly exposed light to produce a true video image of any environment.
- SLC (Side Light Compensation)
- DIS (Digital Image Stabilizer)
- Programmable Privacy Zone (6) & Motion Detection
- Easy Icon Driven OSD Menu with Built-In Joystick
- Auto Sensing 12VDC or 24VAC with Line Lock
- No Fog or Condensation under Any Weather Condition

FEATURES* - V3367WTIR

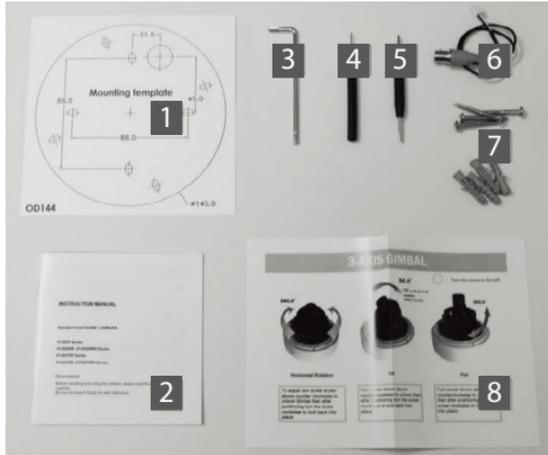
- 1/3" Sony Super HAD II CCD
- High Resolution 560TV Lines
- 3.3~12mm Varifocal Auto Iris Lens
- 100ft Range IR with Intelligent Camera Sync
- True Day & Night / TDNS (Electro Magnetic Mechanism)
- Star-Light (Super Low Light Technology)
- Max-DR (Electronic Wide Dynamic Range)
Enables the camera to capture perfect images in both bright and dark environments simultaneously.
- 3D-DNR (3D Digital Noise Reduction)
Produces less noise and more color during low-light application.
- HME (Highlight Mask Exposure)
Masks overly exposed light to produce a true video image of any environment.
- SLC (Side Light Compensation)
- DIS (Digital Image Stabilizer)
- Programmable Privacy Zone (6) & Motion Detection
- Easy Icon Driven OSD Menu with Built-In Joystick
- Auto Sensing 12VDC or 24VAC with Line Lock
- No Fog or Condensation under Any Weather Condition

DIMENSIONS IN MILLIMETERS*



1. ROTATE ZOOM LEVER TO DISPLAY DESIRED VIEW.
2. ROTATE FOCUS LEVER TO ADJUST THE FOCUS.

INSTALLATION*



1. Mounting Template
2. User Manual
3. Security L-Key
4. Single Sided Hex Key
5. Double Sided Hex Key
6. Secondary BNC Cable for Field Monitor
7. Four (4) Screws and Four (4) Dry Wall Anchors
8. 3 Axis Gimbal Guide

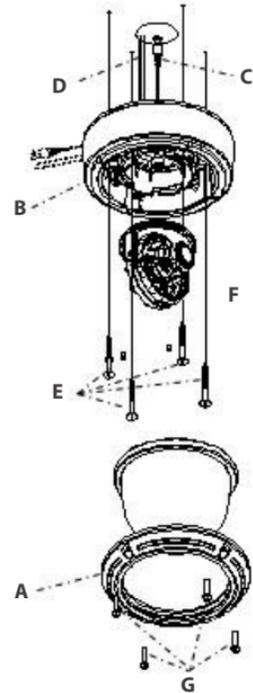
Camera Installation

Use the mounting template to mount the camera.
Using the security L-key to loosen the four screws that secure the vandal proof dome cover, Remove the vandal proof dome cover to access the screw holes to mount the camera.

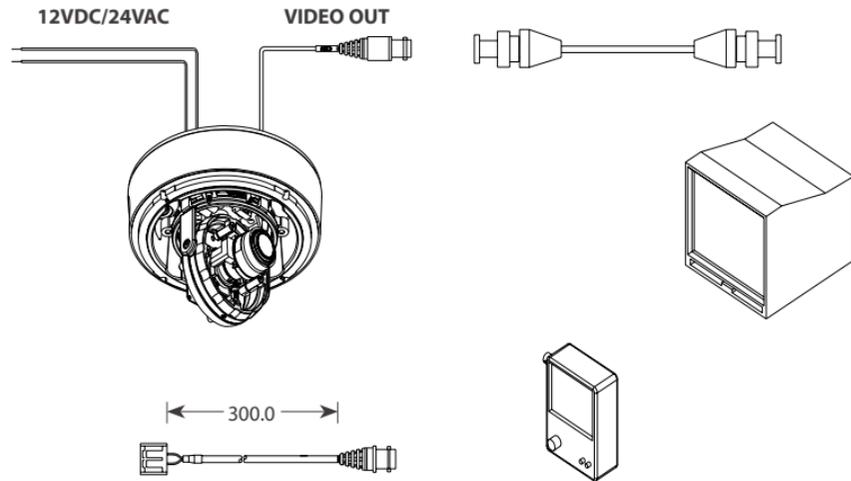
NOTE: Keep the lens and the vandal proof cover free from dust or fingerprint.

INSTALLATION*

- A. Use the supplied L Wrench to remove the four fixing screws from the dome cover.
- B. Align the camera unit with the surface of the ceiling. Draw marks on the ceiling in the places where the screw holes will be drilled. Drill the four holes.
- C. Cut a small hole in the ceiling for the cables.
- D. Pass the power cable and video cable from the camera unit through the cable hole in the ceiling.
- E. Align the four screw holes in the camera unit with the screw holes on the ceiling, and then secure the camera in place by tightening the four screws through the washers.
- F. Carry out the settings and adjustments for the camera.
- G. Secure the dome cover by tightening the screws.



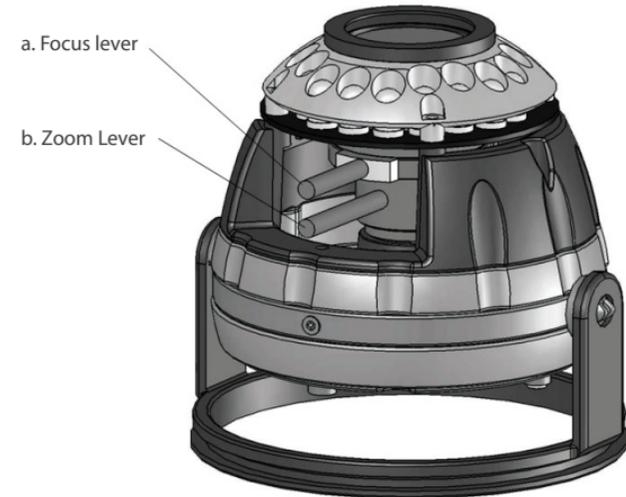
CONNECTION*



CAUTION : CHECK FOR POLARITY WHEN USING A DC12V POWER SUPPLY.

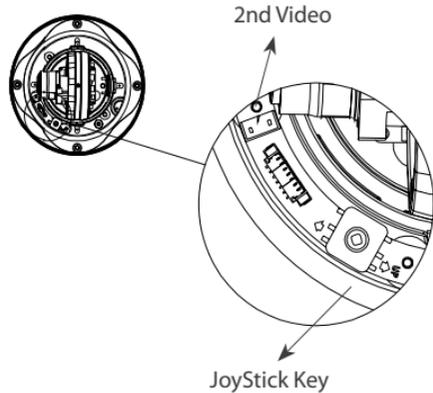
CMAERA SETTINGS*

■ LENS ADJUSTMENT



1. Set the zoom level as desired positioning by moving Zoom lever.
2. Set the Focus level as the image is focussed by moving Focus lever.

CAMERA SETTING FOR SIDE OSD CONTROL BOARD*



Joystick Key

The functions of joystick are camera zoom in/out and OSD control.

2nd Video

Video Test output connector.

MODULE OSD MENU* -V3363D, V3363D922, V3363DH

EXPOSURE	COLOR	DAY&NIGHT
 <ul style="list-style-type: none"> — BRIGHTNESS — AE PREFERENCE — BLC / HME — AGC — STARLIGHT — NIGHT-UP 	 <ul style="list-style-type: none"> — WB MODE — R-Y GAIN — B-Y GAIN 	 <ul style="list-style-type: none"> — D&N MODE — C_SUP — A_SUP
FUNCTION	MOTION	PRIVACY
 <ul style="list-style-type: none"> — MIRROR — SHARPNESS — FREEZE — D-ZOOM — 3D DNR — DRC 	 <ul style="list-style-type: none"> — MOTION 	 <ul style="list-style-type: none"> — PRIVACY
SYNC	SETUP	EXIT
 <ul style="list-style-type: none"> — SYNC 	 <ul style="list-style-type: none"> — TITLE EDIT — PC CONTROL (RS485 Control) — LANGUAGE — MONITOR — OSD COLOR — OMNI LENS — DEFECT 	 <ul style="list-style-type: none"> — EXIT — SAVE & EXIT — FACTORY SET

CAUTION : CHECK FOR POLARITY WHEN USING A DC12V POWER SUPPLY.

OSD MENU* -V3363D, V3363D922, V3363DH

EXPOSURE	
BRIGHTNESS	0 ~ 100
SHUTTER	1/60 / FLK / 1/250 ~ 10000 / STARLIGHT x2 ~ x256
BLC/HME	OFF / BLC / HME
AGC	HIGH / MIDDLE / LOW / OFF AGC(Auto Gain Control)
STARLIGHT	AUTO(x2 ~ x256) / OFF
NIGHT-UP	NORMAL / HIGH
EXIT JUMP	EXIT / SAVE&EXIT / FACTORY SET
COLOR	
WB MODE	AWC / AWT / PUSH LOCK / MANUAL / INDOOR / OUTDOOR
R-Y GAIN	0 ~ 100
B-Y GAIN	0 ~ 100
EXIT	JUMP
DAY & NIGHT	
Day & Night Mode	AUTO : READ TIME(0~63) / S-LEVEL / E-LEVEL COLOR---->BW : B&W : Switching from COLOR to BW; If the number is higher, the camera will only switch during a super low light condition BW ---->COLOR : Switching from BW to COLOR; This number should be always lower than COLOR to BW Read Time : time interval to switch from COLOR to BW
	COLOR
	B&W Mode : BURST (OFF / ON) There is less noise when the BURST is OFF. SMART IR (OFF / ON)
C-SUP	Color Suppression : Color will be reduced at low illumination, if the C-SUP Level is set higher. 0 ~ 63
A-SUP	Aperture Suppression : The sharpness of the edges will be reduced at low illumination, if A-SUP level is set higher. 0 ~ 15
EXIT	JUMP

FUNCTION	
MIRROR	OFF/MIRROR/V-FLIP/ROTATE
SHARPNESS	0 ~ 31
FREEZE	OFF / ON
NEG.IMAGE	OFF / ON
D-ZOOM	OFF / ON (x1.0 ~ x32 PTZ)
3D-DNR	ON (0~100) / OFF 3D Digital Noise Reduction
DRC	OFF / INDOOR / OUTDOOR Dynamic Range Compressor
EXIT	JUMP
MOTION (OMNI-Plus Camera Only)	
MOTION	OFF ↴
	ON
	AREA SELECT (AREA 1~4)
	AREA SET (POSITION / SIZE)
	SENSITIVITY (0~40)
MOTION TRACE (OFF / ON)	
MOTION VIEW (OFF / ON)	
RETURN	
EXIT	JUMP
PRIVACY	
PRIVACY	OFF
	ON ↴
	AREA SELECT (1~8)
	AREA SET (POSITION / SIZE)
COLOR (0~15)	
RETURN	
EXIT	JUMP

SYNC	
SYNC	INTERNAL / AUTO
EXIT	JUMP
SETUP	
TITLE EDIT	OFF / ON
PC CONTROL (RS485 Control)	CAM ID / ID DISPLAY (OFF/ON) / BAUDRATE (2400/4800/9600/19200/38400/57600) The protocol is fixed pelco-D.
LANGUAGE	ENG / KOR / JPN / CHN1 / CHN2 / RUS / FRAN / SPAN / ITAL
MONITOR	CRT / LCD / USER Select LCD only if the camera is directly connected to the LCD monitor.
OSD COLOR	0 ~ 15
OMNI LENS	OFF (OMNI-Plus Camera Only) ON ↵ ALARM / READ TIME / ALARM ZOOM / STAND BY / RETURN
DEFECT	WHITE DEFECT CANCEL MODE
EXIT	JUMP
EXIT	
EXIT	
SAVE&EXIT	
FACTORY SET	

MODULE OSD MENU* -V3367WD, V3367WTIR

EXPOSURE	COLOR	DAY&NIGHT
<ul style="list-style-type: none"> — BRIGHTNESS — E.SHUTTER — BLC — MAX_DR — AGC — STARGLIGHT 	<ul style="list-style-type: none"> — WB MODE — R-Y GAIN — B-Y GAIN 	<ul style="list-style-type: none"> — D&N MODE — C_SUP — A_SUP
FUNCTION	MOTION	PRIVACY
<ul style="list-style-type: none"> — MIRROR — SHARPNESS — GAMMA — FREEZE — NEGA. — 3D DNR — D-ZOOM — SLC — HME — DIS 	<ul style="list-style-type: none"> — MOTION 	<ul style="list-style-type: none"> — MASK 1 — MASK 2 — MASK 3 — MASK 4 — MASK 5 — MASK 6
SYNC	SETUP	EXIT
<ul style="list-style-type: none"> — SYNC MODE 	<ul style="list-style-type: none"> — CAMERA ID — TITLE — DPC — MONITOR — LANGUAGE — BAUDRATE — OMNI LENS 	<ul style="list-style-type: none"> — EXIT — SAVE & EXIT — FACTORY RESET

OSD MENU* -V3367WD, V3367WTIR

EXPOSURE	
BRIGHTNESS	0 ~ 99
E.SHUTTER	1/60, 1/100FLC, 1/120~1/100000
BLC	OFF / ON BLC (Back Light Compensation)
AGC	HIGH / MIDDLE / LOW / OFF AGC(Auto Gain Control)
MAX_DR	OFF / ON (0~20) (Electronic Wide Dynamic Range)
STARLIGHT	AUTO (x2 ~ x256) / OFF (x32 is recommended for low light application.)
EXIT JUMP	EXIT / SAVE & EXIT / FACTORY SET
COLOR	
WB MODE	AWC / ATW / MANUAL / PUSHLOCK
R-Y GAIN	0 ~ 255
B-Y GAIN	0 ~ 255
EXIT JUMP	EXIT / SAVE & EXIT / FACTORY SET
DAY & NIGHT	
D & N Mode	AUTO / COLOR / BW COLOR ----> BW : Switching from COLOR to BW; If the number is higher, the camera will only switch during a super low light condition. BW ----> COLOR : Switching from BW to COLOR; This number should be always lower than COLOR to BW Read Time : time interval to switch from COLOR to BW
	COLOR
	B&W Mode : (BURST : OFF/ON) When the burst is OFF, the picture will have less noise.
	Color Suppression : Color will be reduced at low illumination, if the C_SUP Level is higher. 0 ~ 100 (not available when 3D-DNR is on)
C-SUP	
A-SUP	Aperture Suppression : Edge sharpness will be reduced at low illumination, if A_SUP Level is higher. 0 ~ 100 (not available when 3D-DNR is on)
EXIT JUMP	EXIT / SAVE & EXIT / FACTORY SET

FUNCTION	
MIRROR	OFF/MIRROR/V-FLIP/ROTATE
SHARPNESS	0 ~ 49
GAMMA	0.45 ~ 1.00 / USER
FREEZE	OFF / ON
NEGA.	OFF/ ON
3D-DNR	OFF / LOW / MIDDLE / HIGH 3D DNR (3D Digital Noise Reduction)
D-ZOOM	OFF / ON(x1.0 ~ x3.0 Digital PTZ)
SLC	OFF / ON SLC (Side Light Compensation)
HME	OFF / ON HME (Highlight Masking Exposure)
DIS	OFF / ON DIS (Digital Image Stabilizer)
EXIT JUMP	EXIT / SAVE&EXIT / FACTORY SET
MOTION	
MOTION	OFF / ON
	SET WINDOW
	ALL SET (Set the Entire Screen)
	ALL CLEAR (Clear the Entire Screen)
	SENSITL.(1~120)
	SHOW INDI.(OFF / ICON / TRACE)
DELAY OUT (1 ~ 15) Motion Alarm Zoom-In Delay	
EXIT JUMP	EXIT / SAVE&EXIT / FACTORY SET

PRIVACY	
MASK 1	OFF / ON ↴
MASK 2	OFF / ON ↴
MASK 3	OFF / ON ↴
MASK 4	OFF / ON ↴
MASK 5	OFF / ON ↴
MASK 6	OFF / ON ↴
EXIT JUMP	EXIT / SAVE&EXIT / FACTORY SET
SYNC	
SYNC MODE	INTER / AUTO
V-PHASE	0 ~ 199
EXIT JUMP	EXIT / SAVE & EXIT / FACTORY SET
SETUP	
CAMERA ID	0 ~ 254 (RS485 ID)
TITLE	OFF / ON
DPC	OFF / AUTO DPC (Dead Pixels Cancellation)
MONITOR	CRT / LCD (Select LCD only if the camera is directly connected to LCD monitor.)
LANGUAGE	English / Chinese
BAUDRATE	2400 / 4800 / 9600 / 14400 / 19200 / 38400 The protocol is Pelco-D. Fixed and cannot be changed.(Hardcoded onto the DSP.)
OMNI LENS	OFF / 0
EXIT JUMP	EXIT / SAVE & EXIT / FACTORY SET
EXIT	
EXIT	Exit the menu
SAVE&EXIT	Exit the menu and save the setting
FACTORY SET	Reset the menu setting to factory default

WARRANTY INFORMATION*

Digital Watchdog (referred to as “the Warrantor”) warrants the Camera Series against defects in materials or workmanship as follows.

LABOR : For the initial two (2) years from the date of original purchase, if the camera is determined to be defective, the Warrantor will repair or replace the unit, with new or refurbished product at its option, at no charge.

PARTS : In addition, the Warrantor will supply replacement parts for the initial two (2) years.

To obtain warranty or out of warranty service, please contact a Technical Support Representative at **1-866-446-3595** Monday through Friday from 8:30AM to 8:00PM Eastern.

A purchase receipt or other proof of the original purchase date is required before warranty service is rendered. This warranty only covers failures due to defects in materials and workmanship which arise during normal use. This warranty does not cover damage which occurs in shipment or failures which are caused by products not supplied by the Warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, faulty installation, set-up adjustments, improper antenna, inadequate signal pickup, maladjustment of consumer controls, improper operation, power line surge, improper voltage supply, lightning damage, rental use of the product or service by anyone other than an authorized repair facility or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS*

There are no express warranties except as listed above. The Warrantor will not be liable for incidental or consequential damages (including, without limitation, damage to recording media) resulting from the use of these products, or arising out of any breach of the warranty. All express and implied warranties, including the warranties of merchantability and fitness for particular purpose, are limited to the applicable warranty period set forth above.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

If the problem is not handled to your satisfaction, then write to the Address listed on the next page.

Service calls which do not involve defective materials or workmanship as determined by the Warrantor, in its sole discretion, are not covered. Costs of such service calls are the responsibility of the purchaser.

SPECIFICATIONS* -V3363D

Camera TYPE	Color/BW	V3363D
Image	Mount	Surface
	Size	1/3"
	Pixels-Total	811(H) X 508(V)
	Pixels-Effective	768(H) X 494(V)
Scanning	System	525 line, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Vertical Frequency Internal Mode	59.94Hz
Min. Scene Illumination	F1.2 x256 Star-Light	0.14 Lux 0.0005 Lux in Color
Functions	BLC	ON / OFF
	AGC	HIGH / MIDDLE / LOW / OFF
	DRC	OFF / INDOOR / OUTDOOR
	Mirror	OFF / MIRROR / V-FLIP / ROTATE
	STAR-LIGHT	AUTO (x2~x256) / OFF
	3D-DNR	OFF / ON (0~100)
	HME	OFF / ON
	Privacy Zone	8 Programmable Zone / Size
Lens	Focal Length	3.3 ~ 12mm Varifocal Auto Iris Lens
Resolution	Horizontal	560 TV Lines [Color]; 580 TV Lines [BW]
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p(75 Load)
S/N Ratio	S/N Ratio	52dB
OSD	OSD	YES
Environmental Conditions	Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC / 24VAC
	Power Consumption	1.96 [W] / 2.2 [W]
Physical Specification	Dimensions	109.6 X 140.1mm
	Weight	1.9lbs
	Nema Type	IP66
	Certifications	FCC, RoHS, CE

SPECIFICATIONS* -V3363D922

Camera TYPE	Color/BW	V3363D922	
	Mount	Surface	
Image	Size	1/3"	
	Pixels-Total	811(H) X 508(V)	
	Pixels-Effective	768(H) X 494(V)	
Scanning	System	525 line, 2:1 Interlace	
	Horizontal Frequency Internal Mode	15,734Hz	
	Vertical Frequency Internal Mode	59.94Hz	
Min. Scene Illumination	F1.2 x256 Star-Light	0.14 Lux 0.0005 Lux in Color	
Functions	BLC	ON / OFF	
	AGC	HIGH / MIDDLE / LOW / OFF	
	DRC	OFF / INDOOR / OUTDOOR	
	Mirror	OFF / MIRROR / V-FLIP / ROTATE	
	STAR-LIGHT	AUTO (x2~x256) / OFF	
	3D-DNR	OFF / ON (0~100)	
	HME	OFF / ON	
	Privacy Zone	8 Programmable Zone / Size	
	Lens	Focal Length	9 ~ 22mm Varifocal Auto Iris Lens
	Resolution	Horizontal	560 TV Lines [Color]; 580 TV Lines [BW]
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p(75 Load)	
S/N Ratio	S/N Ratio	52dB	
OSD	OSD	YES	
Environmental Conditions	Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)	
	Humidity	Less than 90%	
Power	Power Requirement	12VDC / 24VAC	
	Power Consumption	1.96 [W] / 2.2 [W]	
Physical Specification	Dimensions	109.6 X 140.1mm	
	Weight	1.9lbs	
	Nema Type	IP66	
	Certifications	FCC, RoHS, CE	

SPECIFICATIONS* -V3363DH

Camera TYPE	Color/BW	V3363DH	
	Mount	Surface	
Image	Size	1/3"	
	Pixels-Total	811(H) X 508(V)	
	Pixels-Effective	768(H) X 494(V)	
Scanning	System	525 line, 2:1 Interlace	
	Horizontal Frequency Internal Mode	15,734Hz	
	Vertical Frequency Internal Mode	59.94Hz	
Min. Scene Illumination	F1.2 x256 Star-Light	0.14 Lux 0.0005 Lux in Color	
Functions	BLC	ON / OFF	
	AGC	HIGH / MIDDLE / LOW / OFF	
	DRC	OFF / INDOOR / OUTDOOR	
	Mirror	OFF / MIRROR / V-FLIP / ROTATE	
	STAR-LIGHT	AUTO (x2~x256) / OFF	
	3D-DNR	OFF / ON (0~100)	
	HME	OFF / ON	
	Privacy Zone	8 Programmable Zone / Size	
	Lens	Focal Length	3.3 ~ 12mm Varifocal Auto Iris Lens
	Resolution	Horizontal	560 TV Lines [Color]; 580 TV Lines [BW]
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p(75 Load)	
S/N Ratio	S/N Ratio	52dB	
OSD	OSD	YES	
Environmental Conditions	Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)	
	Humidity	Less than 90%	
Power	Power Requirement	12VDC / 24VAC	
	Power Consumption	1.8 [W] / 2.4 [W] (Heater Off) 13.6 [W] / 14.7 [W] (Heater On)	
Physical Specification	Dimensions	109.6 X 140.1mm	
	Weight	1.6lbs	
	Nema Type	IP66	
	Certifications	FCC, RoHS, CE	

SPECIFICATIONS* -V3367WD

Camera TYPE	Color/BW	V3367WD	
	Mount	Surface	
Image	Device	Super HAD II CCD	
	Size	1/3"	
	Pixels-Total	811(H) X 508(V)	
	Pixels-Effective	768(H) X 494(V)	
Scanning	System	525 line, 2:1 Interlace	
	Horizontal Frequency Internal Mode	15,734Hz	
	Vertical Frequency Internal Mode	59.94Hz	
Min. Scene Illumination	F1.2 x256 Star-Light	0.14 Lux 0.0005 Lux in Color	
Functions	BLC	ON / OFF	
	AGC	HIGH / MIDDLE / LOW / OFF	
	MAX-DR	OFF / ON	
	Mirror	OFF / MIRROR / V-FLIP / ROTATE	
	STAR-LIGHT	AUTO (x2~x256) / OFF	
	3D-DNR	OFF / ON	
	SLC	OFF / ON	
	HME	OFF / ON	
	DIS	OFF / ON	
	Privacy Zone	6 Programmable Zone / Size	
	Lens	Focal Length	3.3 ~ 12mm Varifocal Auto Iris Lens
	Resolution	Horizontal	560 TV Lines [Color]; 580 TV Lines [BW]
	Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p(75 Load)
	S/N Ratio	S/N Ratio	50dB
	OSD	OSD	YES
Environmental Conditions	Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)	
	Humidity	Less than 90%	
Power	Power Requirement	12VDC / 24VAC	
	Power Consumption	1.8 [W] / 2.4 [W]	

SPECIFICATIONS* -V3367WTIR

Camera TYPE	Color/BW	V3367WTIR	
	Mount	Surface	
Image	Device	Super HAD II CCD	
	Size	1/3"	
	Pixels-Total	811(H) X 508(V)	
	Pixels-Effective	768(H) X 494(V)	
Scanning	System	525 line, 2:1 Interlace	
	Horizontal Frequency Internal Mode	15,734Hz	
	Vertical Frequency Internal Mode	59.94Hz	
Min. Scene Illumination	IR LED ON IR Distance	0.0 Lux 100ft Range	
Functions	BLC	ON / OFF	
	AGC	HIGH / MIDDLE / LOW / OFF	
	MAX-DR	OFF / ON	
	Mirror	OFF / MIRROR / V-FLIP / ROTATE	
	STAR-LIGHT	AUTO (x2~x256) / OFF	
	3D-DNR	OFF / ON	
	SLC	OFF / ON	
	HME	OFF / ON	
	DIS	OFF / ON	
	Privacy Zone	6 Programmable Zone / Size	
	Lens	Focal Length	3.3 ~ 12mm Varifocal Auto Iris Lens
	Resolution	Horizontal	560 TV Lines [Color]; 580 TV Lines [BW]
	Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p(75 Load)
	S/N Ratio	S/N Ratio	50dB
	OSD	OSD	YES
Environmental Conditions	Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)	
	Humidity	Less than 90%	
Power	Power Requirement	12VDC / 24VAC	
	Power Consumption	1.8 [W] / 2.4 [W] LED Off, 4.6 [W] / 4.9 [W] LED On	

MEMO

MEMO