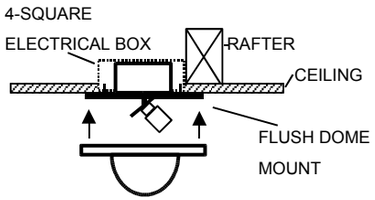
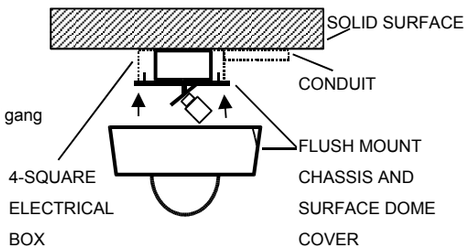
B. Use the flush enclosure and mount in a 4-square electrical gang box in the ceiling



C. Use the flush mount chassis and surface dome cover in a 4-square electrical gang box on a solid surface



- Pull the power and video wires into the 4-square electrical box or in through the base of the surface mount enclosure. If necessary, attach conduit to the base of the enclosure and pull the wire in.

- Mount the enclosure on a surface using the appropriate hardware. Puncture the sealing washers with the mounting screws. (Do not remove the sealing washers from the mounting holes) If you are mounting directly to a wall or ceiling, it is recommended that you use 1/4x20-inch hex-head bolts with wall anchors in high vandalism applications. If you are mounting to a 4-square electrical gang box, use 4 each 8-32 screws.

CONNECT THE VIDEO AND POWER

- Connect the video cable to the BNC connector.
- Depending on the power requirement of the camera (AC24V or DC12V), connect the power wires to the appropriate input wires.

CAUTION

BE SURE TO CONNECT THE CORRECT POLARITY TO THE CORRECT WIRE INPUT ON CAMERAS REQUIRING DC12V.

ADJUSTING THE CAMERA AND LENS

- Loosen the camera mount tilt screws. Loosen the camera mount pan and base screws.
- Adjust the camera to the proper pan position and tighten down the camera mount pan and base screws.
- Adjust the camera to the proper tilt position and tighten

FOR VARIFOCAL LENS:

- Loosen the focal length and focus locking screws. Adjust according to scene detail. Re-tighten the focal length and focus locking screws.

FOR FIXED LENS:

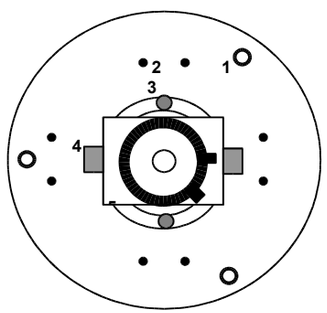
- If the lens is out of focus, loosen lens set screw and turn clockwise or conterclockwise to focus.

INSTALLING DOME & TRIM RING

- Be sure that all sealing washers are in place before mounting the trim and dome cover.
- Place dome over mounting plate. The screw holes will self-align. The trim ring will "set" into place when holes are aligned.
- Tighten the tamper-proof screws using the supplied L-Wrench. (This L-Wrench is not standard design, keep it for further use)

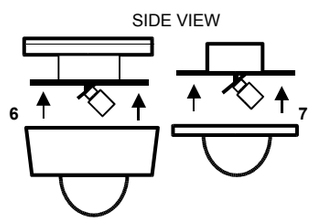
DIAGRAM

TOP VIEW



1. SELF ALIGNING SCREW HOLES (3)
2. MOUNTING HOLES FOR DOUBLE GANG BOX OR SURFACE MOUNT (8)
3. CAMERA MOUNT BASE AND PAN SCREWS
4. CAMERA MOUNT TILT SCREWS
5. VARIFOCAL LENS LOCKING SCREWS
6. SURFACE MOUNT TRIM RING AND DOME
7. FLUSH MOUNT TRIM RING AND DOME

SIDE VIEW



SEE SPECIFICATION SHEET FOR FURTHER DETAILS ON PARTICULAR MODELS.

TROUBLESHOOTING

ALL ADJUSTMENTS ARE MADE AT THE FACTORY FOR OPTIMAL PERFORMANCE. THE FOLLOWING SETTINGS SHOULD ONLY BE USED IF THESE ADJUSTMENTS DO NOT MEET THE REQUIREMENTS OF THE LOCATION CONDITIONS.

VERTICAL PHASE (LINE LOCK)

To synchronize multiple cameras and prevent vertical roll, adjust the vertical phase (line-lock).
See following diagrams for location of potentiometer. Turn the potentiometer clockwise or counter-clockwise using a small screwdriver.

AUTO IRIS LEVEL

Turn DC IRIS LEVEL control clockwise or counter-clockwise to adjust the light level. (FOR CAMERAS WITH AN AUTO-IRIS LENS) The location of the potentiometer is noted in the diagrams following.

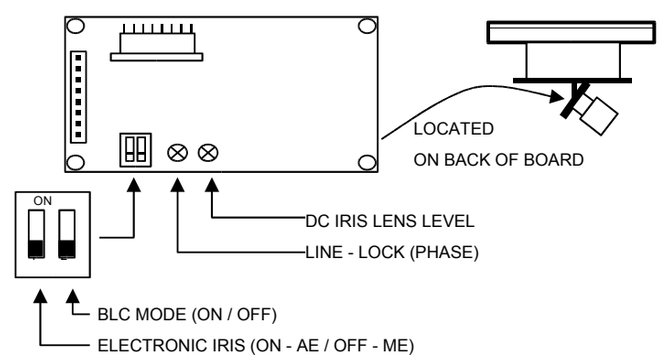
BACK LIGHT COMPENSATION

Back light compensation (on) will allow the camera to filter out high gain background light to obtain forground details. Switches on the dip switch module located on the CCD board will provide adjustments for BLC (back light compensation).
See following diagrams for the location of this switch.

CAMERA DIP SWITCH / POTENTIOMETER SETTINGS

DSP COLOR

SURFACE MOUNT	**WDDS - 2400S**
	WDDS - 2405S
FLUSH MOUNT	**WDDF - 2400F**
	WDDF - 2405F



the camera mount tilt screws.

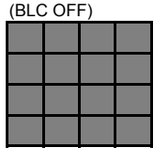
OVER →

MONOCHROME (B&W)

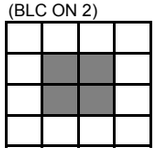
SURFACE MOUNT	**WDDS - 1400S**
	WDDS - 1405S
FLUSH MOUNT	**WDDF - 1400F**
	WDDF - 1405F

S/W 1				
#1 MIRIS	**#2 BLC1**	**#3 BLC2**	**#4 N/A**	**FUNCTIONS**
OFF	X	X	X	ELECTRONIC IRIS (EI)
ON	X	X	X	MECHANICAL IRIS (MI)
X	OFF	OFF	X	BLC OFF
X	ON	OFF	X	BLC ON 1
X	OFF	ON	X	BLC ON 2
X	ON	ON	X	BLC ON 3

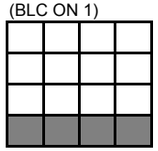
VIEW ALL LIGHT (BLC OFF)



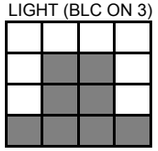
VIEW CENTER LIGHT (BLC ON 2)

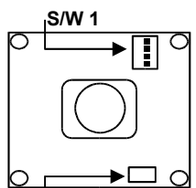


VIEW DOWN LIGHT (BLC ON 1)



VIEW DOWN/CENTER LIGHT (BLC ON 3)





(LOCATED IN BETWEEN BOARD AND MOUNT)

WARRANTY INFORMATION

Weldex will repair or replace, without charge, any ARMORDOME proved defective in material or workmanship for the length of the specified period for each product. Weldex will warranty all replacement parts and repairs for a period of 90 days from the date of Weldex shipment. All products requiring repair shall be sent freight prepaid to Weldex, Cerritos, California.

If warranty repair is required, the dealer must contact Weldex and obtain a Return Authorization number (RA). Please include a written explanation of the problem with the product to be returned.

FOR TECHNICAL INFORMATION, WRITE OR CALL:

WELDEX CORPORATION **TEL (562) 404-8736**

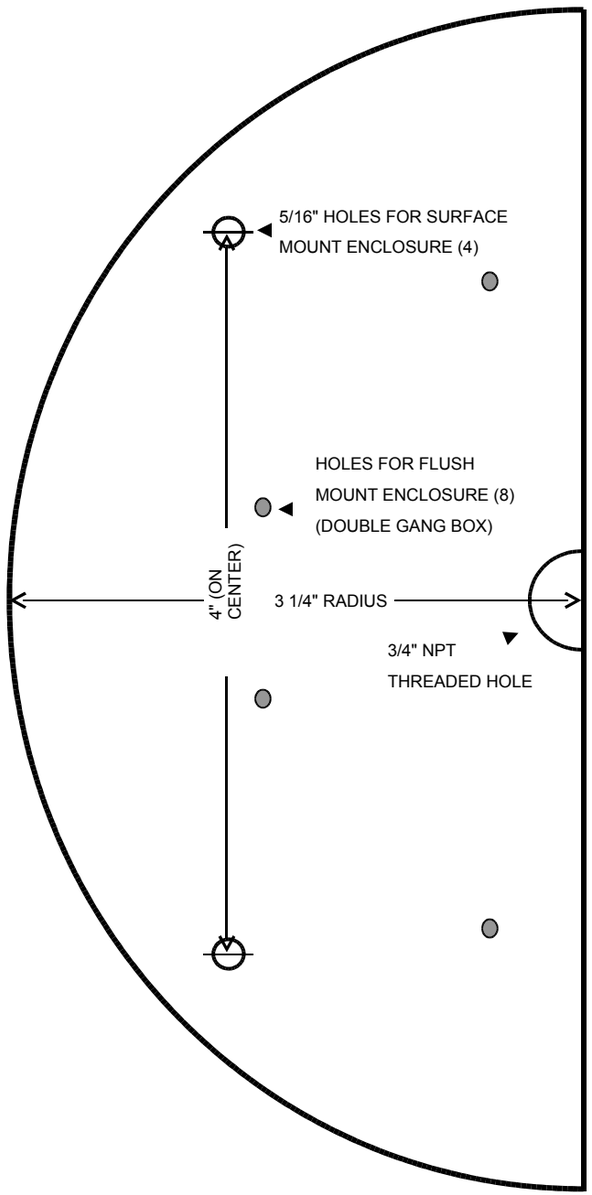
13810 CERRITOS CORPORATE DRIVE **FAX (562) 802-0388**

CERRITOS, CA 90703

TEMPLATE

Use the line drawing below to pre-drill all mounting holes for the surface mount and flush mount ARMORDOME.

Use the template to mark both halves of the surface to be tapped.



WELDEX

OEM MANUFACTURER OF CCD CAMERAS

WEATHERPROOF ARMORDOME SERIES

SURFACE MOUNT	WDDS-1200S	FLUSH MOUNT	WDDF-1200F
	WDDS-2200S		WDDF-2200F
	WDDS-1400S		WDDF-1400F
	WDDS-1405S		WDDF-1405F
	WDDS-2400S		WDDF-2400F
	WDDS-2405S		WDDF-2405F

DESCRIPTION

The ARMORDOME cameras are supplied for surface mount and flush mount applications. These are dome enclosures incorporating a camera and lens package into a very discreet, tamper-resistant, and weatherproof high-security housing. They offer an advantage over standard camera enclosures in that they are designed to be abused and subjected to heavy vanalism and still operate as intended. These are used for either indoor or outdoor applications.

WARNING

1. Insallation and service should be done by qualified service personnel only and conform to all local building codes.
2. Use only installation methods and materials specified in this instruction manual.
3. Use non-corrosive hardware (stainless steel) to install the enclosure to outdoor surfaces.
4. Prevent damage to the camera by sealing all mounting holes between the mounting surface and the enclosure.

INSTALLATION

PREPARING TO INSTALL

- Complete all wire and conduit runs prior to installation of dome.
- Determine which of the following mounting options you will use.

A. Use the surface enclosure and attach directly to a ceiling or hard surface. Utilize the 3/4" NTP fitting on the bottom of the mounting surface for tight conduit fitting.