



GOLDEN STATE INSTRUMENT CO.



SuperHAD CCD II™

GS-405 IRVC

Vandal Dome X-Y-Z Axis Mount
4-9mm External Varifocal Lens
550 TVL Day/Night Color Camera



This camera uses P.O.D. (Precision OSD DSP) technology. This technology enables the user to precisely fine tune all the camera functions according to the application. No matter what the conditions are, you will be able to achieve optimum picture quality. Using Sony Super HAD II CCD with Sony's HQ1 DSP this camera achieves amazing low light performance and color reproduction. With an Ultra High 550 TVL of color resolution gives this camera superior image quality unmatched by others. The 3 axis mount makes this a very versatile camera that can be placed on ceilings or walls with very little effort. DWDR (Digital Wide Dynamic Range) provides excellent picture under tough lighting conditions.

Features:

- 1/3" SONY Super HAD II CCD
- High 550 TVL Color Resolution
- Super BLC (Back Light Compensation)
- DWDR (Digital Wide Dynamic Range)
- HLC (High Light Compensation)
- 4-9mm Varifocal Lens (External Controls)
- 36 IR LED's (65-100ft Illumination)
- Built-in new 20 bit DSP (Digital Signal Processing)
- Vandal Proof Ball Glove Dome
- X-Y-Z, 3 Axis Mount
- 12VDC
- OSD (On Screen Display) Menu Controls
- Turbo AGC (Automatic Gain Control)
- DNR (Digital Noise Reduction)
- Sharpness and Mirror Functions
- IP66 Weather Rating

Specifications:

Signal System	NTSC
Image Sensor	1/3" SONY Super HAD II
Series	P.O.D.
Effective Pixels	768(H) x 494(V)
Scanning System	2:1 Interlace
Scanning Frequency (V)	59.94Hz
Resolution	Ultra High 550 TVL
Min. Illumination	0.01 LUX (LED Off) 0 LUX (LED On)
Light Compensation	DWDR, BLC, HLC
S/N Ratio	More than 52dB (AGC OFF)
Shutter Speed	1/60 ~ 1/1000,000 sec.
Video Output	1.0 Vp-p (75Ω)
Sync System	Internal
Voltage	12VDC
Power Consumption	120 mA (LED's OFF) 500mA (LED's ON)
Dimensions	4.75" Diameter 4.5" Height
Weight	1.8 lbs
Operating Temperature	-20°C to 50°C

WARNING:

Do Not Point Camera Directly into the sun.

Do Not cut video or power wires

Observe Correct Voltage and Polarity

Failure to Observe Warnings May Void Warranty

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Operating Instructions:

OSD (On Screen Display) Menu

LENS	•DC/VIDEO •MANUAL
EXPOSURE	•SHUTTER •BRIGHTNESS •AGC •DWDR
WHITE BAL.	•ATW •AWC •MANUAL •FIXED
BACKLIGHT	•OFF •BLC •HLC
DAY & NIGHT	•AUTO •COLOR •B/W •EXT
SPECIAL	CAM TITLE, MOTION, PRIVACY, PARK LINE, IMAGE ADJ (LENS SHAD, 2DNR, MIRROR, FONT COLOR, CONTRAST, SHARPNESS, DISPLAY, NEG IMAGE)
RESET	Reset to Factory Default
EXIT	Save and Exit

OSD Controls

SET: Push Middle Enter OSD Menu/Select Option

UP: Moves Cursor Up

DOWN: Moves Cursor Down

LEFT: Moves Cursor Left/ Change selected item parameters

RIGHT: Moves Cursor Right/ Change selected item parameters

LENS

DC, Video or Manual

EXPOSURE:

SHUTTER

You can select Fixed, Manual, FLK

AGC (AUTO GAIN CONTROL)

Automatically adjusts the gain

DWDR

Digital Wide Dynamic Range for tough lighting conditions

White Balance

Use White Balance to adjust the screen color

ATW, AWB, MANUAL, or one of the pre-defined FIXED settings

BLC (Back Light Compensation)

Enables a user to select a desired area on a picture and view that area more clearly, and also adjust the Ratio

HLC (High Light Compensation)

Blacks out bright lights from affecting picture for example Car Headlights at night

DAY/NIGHT

You can display pictures in color or black and white

2DNR

Digital Noise Reduction

MIRROR

Horizontal Reverse

SHARPNESS

Adjust the clarity of your image

CONTRAST

Adjust the contrast of the image

CAM TITLE

Enter the title to display on the screen

MOTION DET

Feature that allows you to be alerted of moving objects on the screen

PRIVACY

Mask an area you want to hide on the screen (Bathroom Entrances etc.)

LANGUAGE

Select a preferred supported language

EXIT

Save settings and exit OSD