



GOLDEN STATE INSTRUMENT CO.

★ STAR FORCE CAMERA SERIES

Super HAD CCD II™

GS-505 SFVD

Indoor Dome X-Y-Z Axis Mount
2.8-12mm Auto-Iris Varifocal Lens
600 TVL Color Camera

This new camera combines two powerful technologies and puts them on one camera. Our “Starforce” technology provides great low light performance enabling the camera to see in color in the dark with a minimum illumination of 0.0001 LUX. With Sony’s Super HAD II CCD gives the camera unbeatable sensitivity. With an Ultra High 600 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.



Features:

- 1/3” SONY Super HAD II CCD
- Ultra High 600 TVL Color Resolution
- HLC (High Light Compensation)
- 2.8-12mm Auto-Iris Varifocal Lens
- Ultra Advanced DNR (Dynamic Noise Reduction)
- Minimum Illumination 0.0001 LUX
- Starforce DSP (Digital Signal Processor)
- Indoor Dome
- X-Y-Z, 3 Axis Mount
- Dual Voltage 12VDC / 24 VAC
- OSD (On Screen Display) Menu Controls
- Turbo AGC (Automatic Gain Control)
- Video Test Jack
- Sharpness and Mirror Functions

Specifications:

Signal System	NTSC
Image Sensor	1/3” SONY Super HAD II
DSP (Digital Signal Processor)	Starforce
Effective Pixels	768(H) x 494(V)
Scanning System	525 Lines 2:1 Interlace
Scanning Frequency (V)	59.94Hz
Resolution	Ultra High 600 TVL
Min. Illumination	0.0001 LUX
Light Compensation	BLC (Back Light Compensation) and 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 / Line Lock
Voltage	Dual Voltage 12VDC/24VAC
Power Consumption	150 mA
Dimensions	4.5” Diameter 3.5” Height
Weight	0.6 lbs
Operating Temperature	-10°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

**3002 Dow Ave Suite 228
Tustin, CA 92780 USA**

www.goldenstateinst.com

Sales : 800-227-2330
Tech Support: 888-808-0909
Email : gsi@goldenstateinst.com

Operating Instructions:

OSD (On Screen Display) Menu

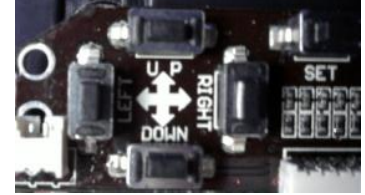
LENS	•DC/VIDEO •MANUAL
EXPOSURE	•BRIGHTNESS •SHUTTER •AGC •SENS-UP •RETURN
WHITE BAL	•ATW •OUTDOOR •INDOOR •MANUAL •AWC SET
SSDR	•OFF •ON
BACKLIGHT	•OFF •BLC •HLC
DNR3	•OFF •ON
DAY/NIGHT	•COLOR •B/W •AUTO •EXTERN
SPECIAL	•IMAGE ADJ (V-REV, H-REV, D-ZOOM, DIS, FONT COLOR, SHARPNESS) •MONITOR •CAM TITLE •SYNC •MOTION DET •PRIVACY •COMM ADJ •LANGUAGE •RETURN
EXIT	•SAVE •DO NOT SAVE •RESET



Warning:

Lens Type must be set to "DC" for camera to work properly

OSD Controls



SET: 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

Using this function to control screen brightness
 (Do Not Set To Manual)

SHUTTER

You can select either auto or manual shutter
 ESC, Manual, FLK

AGC (AUTO GAIN CONTROL)

For optimal results leave on "High"

SENS-UP

When it is night or dark the camera automatically detects the light level and maintains a clear picture
 (64x Recommended)

White Balance

Use White Balance to adjust the screen color
 ATW, INDOOR, OUTDOOR, MANUAL, AWC-SET

SSDR (Super Dynamic Range)

This illuminates darker areas of an image while retaining the same light level for brighter areas to even out the overall brightness of images with high contrast between bright and dark areas

BLC (Back Light Compensation)

Enables a user to select a desired area on a picture and view that area more clearly

HLC (High Light Compensation)

If the scene contains extremely bright lights areas such as from car headlight, the light can mask out much of the on screen detail

DNR (Digital Noise Reduction)

Reduces the background noise in low luminance environments

DAY/NIGHT

You can display pictures in color or black and white

MIRROR

Vertical Reverse, Horizontal Reverse

D-ZOOM

Digital zoom of 1-16x

FONT COLOR

Change OSD Font Color

SHARPNESS

Adjust the clarity of your image
 (Recommend 11x-13x)

MONITOR

Change to CRT or LCD depending on your monitor

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.)

DIS (Digital Image Stabilizer)

Mitigates any picture movement due to external factors such as wind

LANGUAGE

Select a preferred supported language

EXIT

Save, Do Not Save

Reset (Restores settings to factory defaults)