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
560 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 560 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 560 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 560 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 ~ 1/1,000,000 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

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)