

# PRODUCT TECHNICAL DATASHEET

**INOX®**

## Business - SERIES



\* Camera lens not included

## PRODUCT OVERVIEW

Model: **SSB50 / SSB50-IR** (IR READY)

Hi-Resolution Box Camera

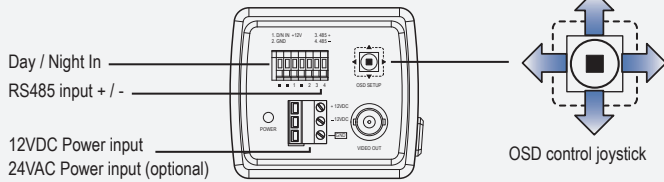
- 1/3" SONY Super HAD II
- 600 TV Lines
- Day: 1 Lux / Night: 0.001 Lux
- OSD menu setup
- RS485 remote OSD setup
- Color or B/W night view (selectable)
- Vivid true color video
- IR Ready (SSB50-IR)
- Support Manual & Auto Iris camera lens
- IP50

### FEATURES & FUNCTION

DWDR, 2D-DNR, OSD, RS485, MASK, AGC, LSC, HLC, ATW/Manual/AWB, Motion Notification, Shutter: Auto/Manual, SMART IR (SSB50-IR)



### OSD CONTROL JOYSTICK ON BACK PANEL



### MAIN OSD MENU FEATURES

- DWDR - Digital Wide Dynamic Range (On/Off)
- 2D-DNR - 2D Digital Noise Reduction (On/Off)
- OSD - On Screen Display menu setup
- RS485 - RS485 remote OSD setup
  - Selectable Protocol: Pelco-D/Pelco-P
  - Selectable Baud Rate: 2400 ~ 57600bps.
- MASK - Privacy Zone Masking (8 zones)
- AGC - Auto Gain Control (Auto/High/Medium/Low)
- LSC - Lens Shadow Correction (On/Off)
- HLC - Highlight Compensation (On/Off)
- MOTION - Motion Notification (Adjustable 4 zones)
- MIRROR - Horizontal video flip (On/Off)
- BLC - Backlight Compensation (On/Off)
- DISPLAY - Selectable display (CRT/LCD/USER)
- BRIGHTNESS - Adjustable video brightness
- CONTRAST - Adjustable video contrast
- SHARPNESS - Adjustable video sharpness
- GAMMA - Adjustable video gamma (LCD & USER only)

## TECHNICAL SPECIFICATIONS

IMAGE SENSOR	- 1/3" SONY Super HAD CCD II
DIGITAL SIGNAL PROCESSOR	- SS-II Digital Signal Processor
VIDEO RESOLUTION	- 600 TV Lines
MINIMUM ILLUMINATION	- Day: 1 Lux / Night: 0.001 Lux (AGC high)
SYNC SYSTEM	- Internal
WHITE BALANCE	- ATW 1, ATW 2, AWC-Set, Manual
GAIN CONTROL	- Auto / High / Low / Medium
SCANNING SYSTEM	- 2:1 interface
S/N RATIO	- More than 48db
ELECTRONIC SHUTTER	- PAL: 1/50 ~ 1/100000 sec.
	- NTSC: 1/60 ~ 1/100000 sec.
GAMMA CORRECTION	- LCD mode: 0.45 / USER mode: 0.45, both programmable via OSD menu
IRIS	- Manual or Auto Iris (selectable)
IR READY	- SSB50 (N/A), SSB50-IR (Yes)
VIDEO OUTPUT	- Composite 1.0Vp-p at 75 Ohms
OPERATION TEMPERATURE	- 5° C to 60° C
OPERATIONAL HUMIDITY	- Within 85% RH
POWER SUPPLY INPUT	- DC 12 volts / 24 VAC (optional)
OPERATING CURRENT	- 40mA ± 10%
CASING CONSTRUCTION	- Aluminium die-cast front & back cover
	- Extruded aluminium center body
CAMERA NETT WEIGHT	- Approx. 300 grams.

Manufactured by:

**INOX SECURITY PTY. LTD.**

- Canada (Incorporation No. BC 0722077)

**INOX MANUFACTURING (M) SDN. BHD.**

- Malaysia (Company No. 671850-H)

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### 600 TV Lines hi-resolution

With the built in SS-II DSP as its core technology, the camera delivers high resolution video images for professional users which requires identification video for their security surveillance purpose



420 TV Lines



SS-II 600 TV Lines

### VIVID COLOR video

Produces true vivid color video for both day & night operation  
Perfect solution for verification & identification purpose when evidence is needed



Conventional DSP



SS-II DSP (Model: SSB50)

### DWDR Digital WDR

Clearer & more detail video images. DWDR eliminates dark shadow areas in the video screen produced by the camera. This function are extremely useful for installation scenes that contain both bright & dark areas



Without DWDR or Off



SS-II DWDR On

### 0.001 lux low illumination

Excellent low lighting capabilities. Cameras with built in SS-II DSP continues to produce bright & clear video quality even in low lighting installation areas.



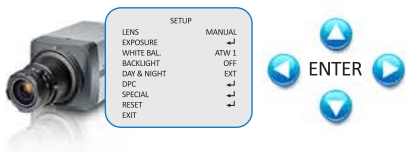
Conventional DSP - Color Mode  
at night with minimal lights



SS-II - Color Mode  
night scene with minimal lights

### OSD menu setup

Each & every camera installation area have different lighting conditions with other various factors that will cause the camera not to produce the best video quality wanted. To get the most perfect & required video quality, users are capable to adjust video settings & features of the camera accordingly to the installation area with the built in OSD menu setup function



### MOTION notification

Supports 4X programmable motion zones in the video screen to detect motion movements. Extremely useful function to alert users for intruders in the restricted zones when monitoring multiple camera screens at the same time



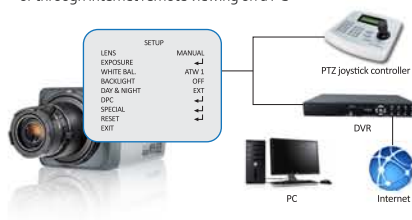
Motion Detection OFF



Motion Detection ON

### RS485 remote OSD setup

Built in with RS485 data communication input for remote OSD menu setup at the command centre via DVR, Joystick controller or through internet remote viewing on a PC



### SMART IR Auto control

Eliminates object over exposure caused by strong IR illumination during night. Furthermore, SMART IR exposure level can be adjust accordingly to installation scenes. Example: Distance between object & camera. (External IR illuminator needed)



Without SMART IR



SS-II SMART IR  
(Model: SSB50-IR)

### DNR Digital Noise Reduction

Reduce video noise during low lighting / night scenes. Cameras with DNR function produces lesser noise on the video compare with conventional DSP without DNR function



Other DSP without DNR



SS-II DSP with DNR