

PRODUCT TECHNICAL DATASHEET

INOX®

Business - SERIES



PRODUCT OVERVIEW

Model: SSW30
Hi-Resolution Weatherproof Infrared Color Camera

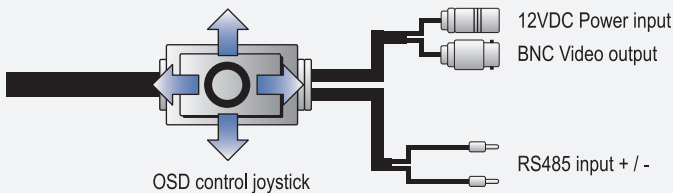
- 1/3" SONY Super HAD II
- 600 TV Lines
- Day: 1 Lux / Night: 0 Lux (IR On)
- 6mm lens (22M / 72.6 ft. IR distance)
- 4mm lens (20M / 66 ft. IR distance)
- OSD menu setup
- RS485 remote OSD setup
- 30 units x BLACK DIAMOND IR LED's
- Aluminium die-cast housing & bracket
- Anti-IR reflect front glass design
- IP65 weatherproof

FEATURES & FUNCTION

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



OSD CONTROL JOYSTICK ON CABLE



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)
- SMART IR - Anti IR over exposed (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 Lux (IR On)
INFRARED DISTANCE	- 6mm lens (22 meters) / 4mm lens (20 meters)
INFRARED LED	- 30 units x BLACK DIAMOND IR LED's
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 ~ 1/1000000 sec.
	- NTSC: 1/60 ~ 1/1000000 sec.
GAMMA CORRECTION	- LCD mode: 0.45 / USER mode: 0.45, both programmable via OSD menu
IRIS	- AES
CAMERA LENS	- Available in 4mm or 6mm fixed iris
	- MEGA-Pixel IR lens (M12 tread type)
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/DC Power Management
	- 9~16VDC power input
OPERATING CURRENT	- 50mA (IR Off) / 240mA ± 10% (IR On)
CASING CONSTRUCTION	- Aluminium die-cast (body & bracket)
HOUSING & BRACKET COATING	- Epoxy powder coating
FRONT GLASS DESIGN	- Anti IR reflect
CAMERA NETT WEIGHT	- Approx. 400 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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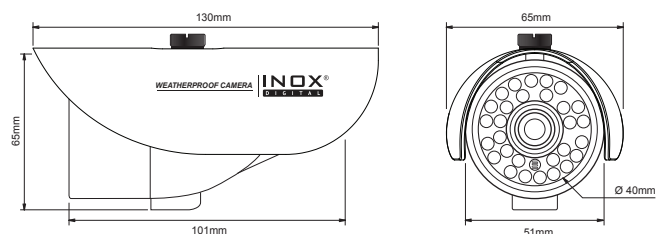


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PRODUCT DIMENSION



MOTION
DETECT

DIGITAL
WDR

0.001
LUX

MASK

OSD

600
TV LINES

RS485

SMART
IR

LSC

SS II

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



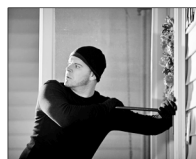
SS-II 600 TV Lines

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



Without SMART IR



SS-II SMART IR

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



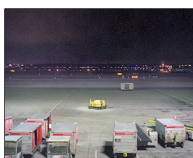
SS-II DWDR On

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.



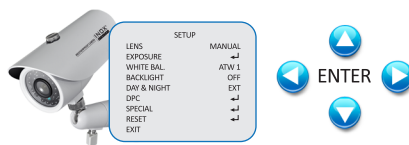
Conventional DSP - Color Mode at night with minimal lights



SS-II - Color Mode night scene with minimal lights

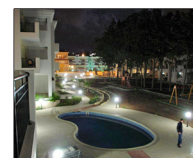
OSD menu setup

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

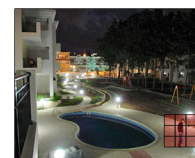


MOTION notification

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



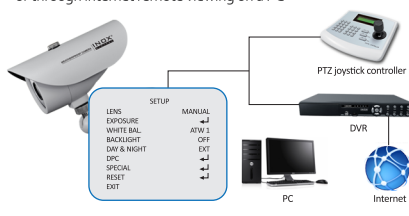
Motion Detection OFF



Motion Detection ON

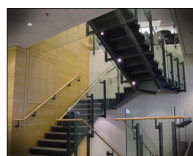
RS485 remote OSD setup

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

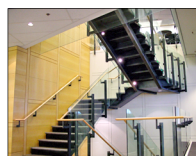


LSC lens shadow correction

Correction of shadow effect caused by certain camera lens at the 4 corners of the video image. Value of the correction can be set accordingly to requirement through the camera OSD menu setup



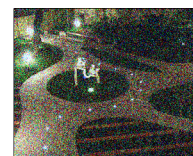
Other DSP without LSC



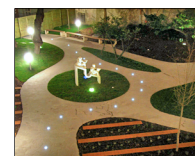
SS-II DSP with LSC On

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