

#### MAIN OSD MENU FEATURES

• iWDR

MEDU A

- 3D-DNR
- OSD
- RS485
- iN-MO
- MASK
- **ECLIPSE**
- D.I.S
- VIDEO SENS-UP BLC
- D.ZOOM
- iLPR
- MIRROR
- A.V.P

- Intelligent Wide Dynamic Range (On/Off)

VANDALPROOF DOME HOUSING

3 Axis camera adjustment

- 3D Digital Noise Reduction (On/Off)
- On Screen Display menu setup
- RS485 remote OSD menu setup
- Protocol: Pelco D
- Selectable Baud Rate: 4800 ~ 57600bps.
- Intelligent Area Motion Notification (8 areas)
- Privacy Zone Masking (8 areas)
- Highlight Compensation Filter (8 zones)
- Digital Image Stabilizer (On/Off)
- Auto: x1 ~ x128 / Fix: x2, x4, x8....x512
- Backlight Compensation (On/Off)
- Digital Zoom with Pan / Tilt function
- Intelligent License Plate Recognition with separate individual shutter speed selection for day & night (On/Off)
- Support horizontal & vertical video flip
- Adjustable Video Parameters
- Programmable video Sharpness, Brightness, Contrast, Hue, Color Level, Red & Blue gain

Manufactured by;

#### INOX SECURITY PTY. LTD.

- Canada (Incorporation No. BC 0722077)

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

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### PRODUCT OVERVIEW

#### Model: M60

#### Ultra Fine Resolution Vandalproof Camera

- 1/3" SONY Super HAD II
- 650 TV Lines
- Color: 0.0003 Lux / B/W: 0.00003 Lux
- iWDR Wide Dynamic Range
- OSD menu setup
- RS485 remote OSD menu setup
- Color or B/W night view (selectable)
- Vandalproof dome housing
- 3.8~10.5mm HI-RES Varifocal Al lens
- IP66 weatherproof

#### FEATURES & FUNCTION

iWDR, 3D-DNR, OSD, RS485, iN-MO, MASK, ECLIPSE, D.I.S, VIDEO SENS-UP, BLC. D.ZOOM, iLPR, MIRROR, A.V.P



#### **TECHNICAL SPECIFICATIONS**

IMAGE DEVICE

HORIZONTAL RESOLUTION MINIMUM ILLUMINATION

SCANNING FREQUENCY SYNC SYSTEM

SIGNAL-TO-NOISE RATIO CAMERA LENS

OSD **iWDR** iN-MO

MASK

VIDEO SENS-UP DAY/NIGHT MODE VIDEO OUTPUT PARAMETERS

OSD CAMERA NAME DISPLAY

IMAGE FREEZE FUNCTION DIGITAL ZOOM WHITE BALANCE **ELECTRONIC SHUTTER** 

AGC

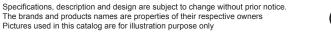
**VOLTAGE INPUT** POWER CONSUMPTION OPERATING TEMPERATURE OPERATING HUMIDITY

CASING CONSTRUCTION

IP RATING **DIMENSIONS** 

- 1/3" SONY Super HAD II
- 650 TV lines
- Color: 0.0003 Lux (Sens-Up Auto, F1.2) / 0.1 Lux (Sens-Up Off)
- B/W: 0.00003 Lux (Sens-Up Auto, F1.2) / 0.001 Lux (Sens-Up Off)
- PAL: 15.625KHz(H) / 50Hz(V) NTSC: 15.734KHz(H) / 59.94KHz(V)
- More than 52dB (AGC Off)
- 3.8~10.5mm HI-RES Varifocal auto iris lens
- Yes 5 Janguages: English, Chinese, French, Russian, Spanish - Yes - selectable iWDR level, Low / Medium / High / Super
- 8 areas adjustable area height, width,
- position and sensitivity level
- 8 zones adjustable area height, width
- position and with 8 color selection
- Auto: x1 ~ x128 / Fix: x2, x4, x8....x512
- Yes selectable Auto / Color / B/W
- Programmable Sharpness, Brightness, Contrast, Hue, Color level, Red Gain & Blue gain
- Yes 16 digit / selectable On/Off
- Yes selectable Low / Medium / High level
- Yes via OSD control
- Yes with digital pan/tilt function
- Selectable: ATW / Color-Roll / Push Auto / Manual
- Selectable: Auto / A.FLK / Manual PAL: 1/50s ~ 1/90,000s
- NTSC: 1/60s ~ 1/90.000s
- Yes selectable Auto / Low / Medium / High / Off
- DC 12 volts / 24 VAC (optional)
- 105mA ± 5%
- Within 80% RH (non-condensing)
- Vandalproof aluminium die-cast camera body with
- epoxy powder coating
- Impact resistance polycarbonate dome cover
- IP66 weatherproof - 104mm (H) x Ø150

Authorised Dealer:





#### INTRODUCING...



#### STATE OF THE ART - DIGITAL SIGNAL PROCESSOR

The main core technology behind all IN□X® PRO-Series surveillance cameras. This unique and powerful MEDUSA DSP is the main engine that brings out the performance of those cameras

The DSP are rich in outstanding features such as 650 TV lines of video resolution, Intelligent Wide Dynamic Range (iWDR), Advanced 3D-Digital Noise Reduction (3D-DNR) for reducing recording storage requirements up to 98% due to unwanted noise causing motion recording, Low light capabilities of up to 0.00003 Lux, Motion Detection, Digital Image Stabilizer (DIS), Privacy Zone Masking, Highlight Compensation filter (Eclipse), Adjustable Video Parameters (A.V.P) for acurate video color & brightness, Back Light Compensation (BLC), Digital Zoom and Horizontal or Vertical Mirror image flip

In addition, all these features are programmable with the On Screen Display menus (OSD) in the camera itself or can be remotely setup through RS485 from the command center via DVR or joystick controller



### 650 TV Lines fine resolution

INOX Pro-series cameras with built in Medusa DSP delivers 650TV lines of ultra fine resolution video images for professional users which demands superior video image quality for identification purposes





420 TV Lines Medusa - 650 TV Lines

## 0.00003 lux low illumination

Continues to deliver excellent video quality in COLOR MODE even in extreme low lighting scenes. Thanks to our MEDUSA DSP with it's extreme low-lux capabilities that makes INOX Pro-series CCTV cameras one of the most impressive surveillance cameras in the CCTV industry







**INTERIOR INTERIOR (Wide Dynamic Range)** 

Detail video on the inside & outside, a true solution for situations where there are bright & dark areas or under strong backlighting

Without iWDR (TRUE IMAGE)



With Medusa - iWDR (TRUE IMAGE)

## 3D-DNR Digital Noise Reduction

With the 3D-DNR function, video images produced by the MEDUSA DSP are significantly lesser noise with clearer images compared with the older 2D-DNR feature and conventional DSP without DNR feature





Without DNR - video noise

Medusa 3D-DNR - less noise

## iN-MO Intelligent motion alert

MEDUSA DSP supports 8x programmable motion preset area in the camera point of view to detect motion movements. When motion are detected in the preset area, the camera will automatically highlight the  $\,$ 



Motion detected

preset area to notifiy and alert users that movement has been detected. Furthermore, motion preset area are programmable with sensitivity level accordingly to the installation environment. This function is extremely useful to alert users for intruders in the restricted zones when monitoring multiple screens at the same time

# 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



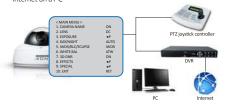






# RS485 remote OSD menu setup

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



# A.V.P Adjustable video parameters

Adjustable video brightness, sharpness, contrast, color level, hue, blue & red gain accordingly to the installation area environment. A.V.P function are most useful for professional users who demands perfect video quality



# D.I.S Digital Image Stabilizer

Camera installations on high mounting pole often causes video to be shaky or blurring effect due to high winds or ground movements. With D.I.S technology, these situations are greatly reduced or totally solved





## **iLPR** License Plate Recognition

Feature for capturing fast moving objects or vehicle without blurring effect during video playback. Furthermore, shutter speed for both day & night are selectable individually for maximum result (example: Day- 1/1600 • Night-1/1000)

II Pause



Without iLPR feature (TRUE IMAGE)

(Playback / Car speed at approx 70km/h) (Playback / Car speed at approx 70km/h)

# ECLIPSE highlight compensation

Useful feature for users to identify clearer license plate at the incoming vehicle when strong headlamps are being ON during the night. Eclipse are selectable to only activate during night with 4x pre-programmable



(Glaring license plate)



Medusa Eclipse ON

## MASK Privacy zone masking

When privacy is needed, users are capable to set up to 8x privacy zones to block specific areas in the video. Privacy zones masking size, position & color can be set accordingly to the users requirement via OSD





Masking - Off

Masking - Or