

# Full HD 1080p

High Definition video over coaxial cable

2.8mm-12mm  
HD varifocal lens



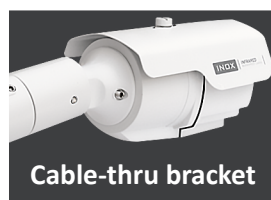
Model: **A70-VF3**

## Business - SERIES

### AHD 1080P HIGH DEFINITION CCTV SOLUTIONS

2.4 Megapixel Varifocal Lens  
Weatherproof 50 Meters IR Camera

- 1/2.9" SONY HD Exmor CMOS sensor
  - True Day / Night with built in ICR
  - Minimum illumination  
Color Mode: 0.0001 Lux  
B/W Infrared Mode: 0 Lux
  - 2.8mm ~ 12mm HD 3.0MP varifocal IR lens
  - Max. 50 meters IR range (165 ft.)
  - 2x array LED + 6x super flux IR LED
  - Cable-thru mounting bracket
  - OSD (On Screen Display) menu setup
- 
- Power Input : 12VDC
  - IP rating: IP67
  - Epoxy powder coated housing & bracket



AHD CE FC

RoHS  
Compliant

**Full HD**  
1920x1080

## Double surge protection inside

Built in with double TVS (Transient voltage suppressor) & ESD (Electrostatic discharge) surge protection against nearby lightning strikes on air that creates minor surge to the camera



### Surge protection 1

Main dedicated surge protection board module (optional)



### Surge protection 2

Surge protection circuit built-in main camera board

## TECHNICAL SPECIFICATIONS

### Model: A70-VF3

|                      |  |
|----------------------|--|
| IMAGE SENSOR         | - 1/2.9" SONY HD Exmor CMOS sensor                           |
| VIDEO RESOLUTION     | - 2.4 Megapixel (1920 x 1080)                                |
| VIDEO OUTPUT         | - AHD or CVBS (selectable)                                   |
| MINIMUM ILLUMINATION | - Color mode: 0.0001 Lux<br>- B/W IR mode: 0 Lux (IR On)     |
| CAMERA LENS TYPE     | - 2.8mm ~ 12mm HD 3.0 megapixel adjustable varifocal IR lens |
| TRUE DAY/NIGHT       | - Yes, built in ICR inside                                   |
| INFRARED DISTANCE    | - Max. 50 Meters / 165 ft.                                   |
| INFRARED LED         | - 2x array + 6 super flux IR LED                             |
| SCANNING SYSTEM      | - Progressive scan   |
| S/N RATIO            | - More than 50db (AGC off)                                   |
| WHITE BALANCE        | - Selectable ATW / AWB / Manual                              |
| GAIN CONTROL         | - Selectable Auto / Flicker / Manual                         |
| ELECTRONIC SHUTTER   | - PAL: 1/50 ~ 1/1000000<br>- NTSC: 1/60 ~ 1/1000000          |
| OPERATIONAL TEMP.    | - 0°C ~ 60°C   |
| OPERATIONAL HUMIDITY | - Within 85% RH  |
| POWER SUPPLY INPUT   | - DC12V  |
| OPERATING CURRENT    | - 50mA (IR Off) / 360mA (IR On)                              |
| CASING CONSTRUCTION  | - Aluminum die-cast  |
| FRONT GLASS DESIGN   | - Anti IR reflect  |
| CAMERA NETT WEIGHT   | - Approx. 800 grams  |

## Smart IR auto dim control

Eliminates object from over exposure caused by strong IR illumination during night. Furthermore, SMART IR exposure level can be program accordingly to installation scenes. Example: Distance between object & the camera



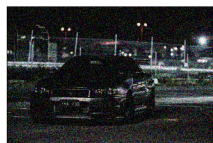
Without SMART IR (Night / IR On)  
Over exposure video



SMART IR (Night / IR On)  
Non exposure video

## 0.0001Lux low illumination

Excellent low lighting capabilities, INOX AHD cameras continue to produce brighter & clearer with 95% noiseless color video quality even in low lighting installation scenes compare to others (IR off mode)



Others



INOX AHD camera - 0.0001 Lux  
95% noiseless color night mode

## 2D + 3D digital noise reduction

Reduces 95% of video noise during low lighting or night scenes. Cameras with 2D + 3D DNR function produces smoother & clearer video compare with conventional cameras without 2D + 3D DNR



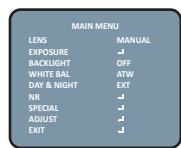
Without 2D + 3D DNR  
Video noise during night



With 2D + 3D DNR  
Smooth & clear video during night

## OSD menu setup

Easy camera setup accordingly to installation scene conditions and lighting with the built-in OSD menu control on the camera



## MOTION screen alert

Supports 4x programmable motion preset area to detect motion movements. A useful function to alert users for intruders in the restricted zones when monitoring multiple screens at the same time



Without motion detect alert  
Hard to notice in dark area



With motion alert ON  
Easier to notice in dark area

## DWDR dark spot remover

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



Without DWDR



DWDR On

Manufactured & distributed by:

**INOX MANUFACTURING (M) SDN. BHD.**  
- Malaysia (Company No. 671850-H)

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- Canada (Incorporation No. BC0722077)



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