

# 3DNR –HAWK NIGHT VISION CAMERA

## Features

1/3" Color Sony Super HAD CCD II  
 600TVLines  
 Weather Proof for Outdoor (IP67)  
 Built-in 54 Led  
 Privacy Masking (8 Area Selectable)  
 Motion Detection (4 Area Selectable)  
 3DNR ( Digital Noise Reduction)/ D-WDR  
 Low Current & Low heating  
 Varifocal DC Auto IRIS Lens (2.8~11mm)  
 Special Designed for External Varifocal Lens & Function Control  
 (NEAR/ FAR, TELE/ WIDE, OSD menu)  
 Concealed Bracket (3 Axis)

## Technical Specifications

Image Sensor ----- 1/3" Color Sony Super HAD CCD II  
 Horizontal Resolution ----- 600TVLines at center  
 B/W Mode:700TVLines  
 Min.Illumination ----- Color: 0.03Lux (50IRE@F1.2)  
 0.00019 (SENSE-UP x256)  
 0 Lux(IR ON)  
 IR LED Visibility Range ----- 850mm, 54EA 60M (indoor), 40M (outdoor)  
 Synchronizing System ----- Internal  
 Video output ----- 1.0Vp-p Composit 75ohm  
 Scanning System ----- 2:1 Interlace  
 S/N Ratio ----- More than 52dB (AGC OFF)  
 Smear Effect ----- 0.005%  
 Gamma Correction -----  $r=0.45$   
 Lens ----- Varifocal DC Auto IRIS Lens (2.8~11 mm)  
 External Control ----- Near/ Far, Tele/ Wide, OSD  
 Power Source ----- 12VDC, 500mA  
 Operation Temp. ----- -20°C~ 60°C  
 Humidity ----- Within 80% RH (IP Rating: IP=67)  
 Weight ----- 1.26kg  
 Measurement ----- 93(W) x 95(H) x160 (D) mm

## Special OSD Functions

AGC ----- LOW/ MIDDLE/ HIGH/ OFF  
 BLC ----- BLC/ HSBLC/ OFF  
 D-WDR ----- OFF/INDOOR/OUTDOOR  
 White Balance ----- AWB/ AWC- SET/ MANUAL  
 INDOOR/ OUTDOOR/ ARW  
 Day & Night ----- Auto/ B.W/ Color (Selectable)/ EXT  
 3DNR ----- OFF/ON ( Selectable)  
 ADJUST ----- Contrast/ Sharpness/ CB-Gain/ CR- Gain  
 Camera ID ----- OFF/ON (Selectable)  
 Motion Detection ----- OFF/ON (Level Adjustable)  
 Privacy Masking ----- OFF/ON (8 Zone Selectable)  
 Mirror ----- OFF/ON (Selectable)  
 Digital Zoom ----- OFF/ ON ( x2 ~ x32)  
 Gamma Correction ----- User/0.05~1.00 (Selectable)  
 Sense- Up ----- ON/ OFF (Selectable ~ 256X )  
 Digital Zoom ----- ON/ OFF (0x~ 32x )

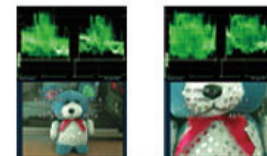
## High Resolution (600TVLines)

### NTSC

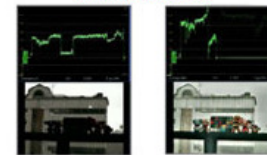
Effective Pixels ----- 768(H)X494(V) pixels  
 Scanning ----- 525Lines, 60 fields, 30 frames  
 Horizontal ----- 15.734 Khz  
 Vertical ----- 59.94 Hz  
 Electronic Shutter ----- 1/60-1/100,000

### PAL

Effective Pixels ----- 752(H)X582(V) pixels  
 Scanning ----- 625Lines, 50 fields, 25 frames  
 Horizontal ----- 15.625 Khz  
 Vertical ----- 50 Hz  
 Electronic Shutter ----- 1/50-1/100,000

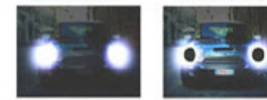


DIGITAL ZOOM X4



D-WDR OFF

D-WDR ON



HSBLC OFF

HSBLC ON

