

LONG RANGE INFRARED CAMERA

IR 5848FV

READY FOR
ROUGH
WEATHER



48 IR 100 ft



EXTERNAL
LENS
CONTROL

DNR
DIGITAL NOISE REDUCTION

580 DAY TV LINE 600 NIGHT TV LINE

0.3 DAY LUX 0.0 NIGHT LUX

- ✓ 580 TV Line High Resolution
- ✓ 4~9mm External Adjustable Zoom Lens
- ✓ 48 IR LED up to 100ft range
- ✓ OSD - On Screen Display
- ✓ Auto Filter Change

IR 5848EV 580 TVL / 48 IR LED / External Adjustable 4~9mm AVF / Auto Filter Chante

- 1/3 inch SONY Super HAD CCD
- 4~9mm Auto Iris Vari-focal Lens - External Adjustable
- Auto Filter Change
- 580 TV Line in Color
- SDNR - Super Digital Noise Reduction - Clear image / more recording time
- OSD-On Screen Display - Easy camera setup
- 100ft Infrared Range / 48 IR LED
- Weather-Resistant, ideal for outdoor use
- Auto White Balance (AWB) / Back Light Compensation (BLC) / Auto Gain Control (AGC)
- DC 12V / 1700mA Recommended

EXTERNAL LENS CONTROL

External lens control knobs on back of the camera make installation and setting up the camera easier. The included 4.0~9.0mm auto-iris lens and adjustable mount gives you the best shot at any angle.

AUTO FILTER CHANGE

At daytime, IR light is filtered away in the camera by the IR-cut filter in order to render color images that humans are used to. When light conditions are too dark to render color images, the IR-cut filter is automatically removed to enable the camera to make use of the IR light to produce a high quality black & white video.

OSD CAMERA SETUP

IR 5800 Series have a small program built-in to the camera to help users to setup the camera function with ease. No more reading a manual and tipping dip-switches to configure the camera.

0.002 LUX SENS-UP LOW LIGHT ENHANCEMENT AND DNR (DIGITAL NOISE REDUCTION)

The SENS-UP feature of the 5800 series infrared cameras allow for their impressive 0.002 low light lux rating which leads to their superb night time performance ability. In addition, the noise reduction (DNR : Digital Noise Reduction) function helps to improve the total DVR recording time up to 30%.

WEATHER-RESISTANT & SUN-VISOR

The built-in removable sun shield that will help ensure you a clear picture and protect the camera from the elements.

IR-CORRECTED LENS INSTALLED

Use a day & night or monochrome cameras for the IR corrected lenses. Regular color cameras will not be affected by the IR corrected lens. When using the day/night or monochrome cameras, nearly any outdoor, as well as some indoor applications, will require, or at least benefit from using IR corrected lenses. This is because many natural light sources also contain infrared light, lighting changes with a higher infrared, lower infrared, or without infrared at all. When using ordinary lenses, the result is a blurred, or in a worst case scenario, a completely unfocused picture.

	IR 5848FV
Resolution	580(Color) / 600(B/W) TV Lines Horizontally
Image Pick-up Device	Sony 1/3 inch Super HAD CCD / Samsung original module
Picture Elements	811(H) x 508(V) 410K pixels
Effective Picture Elements	768(H) x 494(V) 380K pixels
Scanning Area	3.65(H) x 2.74(V) mm
Scanning System	2:1 Interface/ 525 Lines / 60 Fields / 30 Frames
Iris Mode	DC Iris
Lens	4~9mm Auto Iris Vari-focal Lens - External Adjustable
Minimum Illumination	0.3 Lux at F1.2 / 0.002 Lux (Sens-up x128) / 0 Lux (IR On)
Sync. System	Internal Only
Video Output	1.0 Vp-p Comp. 75Ω
Electronic Iris	x128 ~ 1/60 sec ~ 1/120,000 sec. (Sens-up and Sens-up limit is selectable / Flickerless)
O.S.D	Built-in
Backlight Compensation	Low / Middle / High / Off Selectable
Gain Control	Low / Middle / High / Off Selectable
DNR	Low / Middle / High / Off Selectable
White Balance	ATW / AWC / Manual / Outdoor (1,800°K~10,500°K)
Day & Night	Auto / On
IR LED	48 IR LED up to 100ft
Gamma	γ=0.45
S/N Ratio	50dB (AGC Off, Eight On)
Operating Temp.	14F ~ 122F
Power Source	DC 12V
Power Consumption (Recommendation)	200mA (IR LED off) / 1700mA (IR LED On. Max.)

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