HDview

FHDVC36FB

FULL HD 2MP 1080P BULLET CCTV CAMERA

USER MANUAL

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In addition to the 1080P HD resolution the HDview range of CCTV cameras all feature the multi-function on screen display (OSD) settings.

Camera Operation via OSD Controller

Accessing On Screen Display Menu

Locate the controller on the camera fly lead and press the centre button to access the OSD.

Use the Up/Down/Left/Right toggle to navigate through the options described.

OSD Menu

LENS	Leave in MANUAL setting.
EXPOSURE	Multiple setting options to control how the camera reacts to a light source
SHUTTER	Set up of the shutter speed to handle different light conditions. The AUTO setting is recommended for regular light conditions.
AGC (Auto Gain Control)	Amplifies the video signal to brighten the picture in low light conditions. Adjusts from 1 to 15, 1 is the lowest AGC effect, 15 is highest. Note that the higher the AGC is applied the more noise (interference) that may be added to the camera image.
D-WDR (Digital Wide Dynamic Range)	Enables the camera to provide a balanced image in areas where high and low light levels exist simultaneously.
BACKLIGHT	Multiple ways to control high levels of back lighting disturbing the viewing area such as sunlight or external lighting
BLC (Back Light Compensation)	Makes objects in front of a bright light source, such as strong sunlight, brighter while darkening the background in order to make the objects in front clearer.
HSBLC (High Light Compensation)	A clever version of BLC that will automatically blank out areas of very high light source (such as car headlights or street lamps) within the viewing area whilst allowing normal images from surrounding areas.

WHITE BALANCE	Multiple setting options to control the balance of white light
MANUAL	Allows specific control of the way the camera reacts to strong saturation of blue or red within the viewing area. Useful in areas that are continually illuminated with single colour light sources such as nightclubs or retail displays.
ATW & AWB	Both options give automatic tracking and adjustment of the best white balance setting based on the light conditions. Flourescent light, sunlight and incandescent light all have different colour temperatures. ATW & AWB automatically ensures correct reproduction of white images as different light sources are used.

DAY & NIGHT	Multiple options for control of the DAY and NIGHT image settings
COLOUR	Sets camera to permanent colour image whether in day or night conditions.
B/W	Sets camera to permanent black & white image whether in day or night conditions.
AUTO	Allows the setting of the light levels required to move from day mode to night mode and night mode to day mode. Also allows setting of the time delay to move from day mode to night mode and night mode to day mode.

NR (NOISE REDUCTION)	Options to control digital image noise (interference)
2DNR	Analyses the image pixels to identify digital noise (usually seen in the dark areas of the image) and corrects them to improve the image quality. The best option for areas with a lot of movement such as car parks etc.
3DNR	The same as 2DNR but additionally analyses the changes in moving from frame to frame and correcting noise created by that also. The most effective option to reduce digital noise but can suffer from some movement blurring in areas with a lot of movement such as car parks etc.

Technical Specification

Pick up Element	1/2.7"
Effective Pixels (H×V)	NTSC/ PAL:1920(H)x1080(V)
Horizontal Resolution	1080P
Minimum Illumination	0.1 Lux/F2.0 0 Lux (with IR LED ON)
S/N Ratio	More than 58dB
Scanning System	Progressive
Synchronous System	Internal, Negative sync.
Auto Electronic Shutter	NTSC: 1/60s~1/100,000s, PAL: 1/50s~1/100,000s
Gamma Characteristic	0.45

IR Distance	20 Meters
IR Status	Under 10 Lux by CDS
IR Power On	CDS AUTO Control/ICR
Video Output	1Vpp, 75Ω
Auto Gain Control	Auto
Power/Current	DC12V(+/-10%)/240mA
Lens	3.6mm Fixed Lens
Dimension	153(W)x 70(H)x57(D)mm
Weight	350g
Storage Temperature	-30~+60 °C RH95% MAX
Operating Temperature	-10~+50 °C RH95% MAX
Camera Housing IP Rating	IP66
OSD Controller IP Rating	IP20
Video Connector IP Rating	IP20
Power Connector IP Rating	IP20

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