HDview

HDVC36FDW
TRUE HD 1.3MP 720P DOME CCTV CAMERA

USER MANUAL

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In addition to the 720P HD resolution the HDview range of CCTV cameras all feature the multi-function on screen display (OSD) settings. Whilst in many situations you will find an 'out of the box installation' will give excellent results the OSD settings will enable you to make adjustments to the cameras final output to provide an excellent image in the most demanding situations. Please read through this manual prior to installation in order to better understand all the functionality of the product.

- 3.6mm Fixed Lens
- True High Definition 1.3MP Image Resolution
- Built in 10m Infrared LED Illumination
- D-WDR incorporating ATR
- 2D and 3D Noise Reduction
- Exposure Control
- High Light Compensation
- 3-Axis Cable Management Bracket
- IP66 Weatherproof Bullet Housing

On Screen Display (OSD)

The on-screen menu is accessed and operated by the OSD control button shown. Simply depress the control button once to access the Main Menu then move the button up, down, left or right to navigate the options.

Options with a ⏎ symbol have sub menus to access, again by depressing the OSD control button.

There are a lot of different and useful settings to access, it is highly recommended to explore and test out the settings in order to find setting options that will help to improve the quality and functionality of your cameras image. Remember that there is nothing you can do to damage the camera or permanently change settings so feel free to explore, the best setting is usually discovered through trial and error and if it does go wrong simply select the RESET option when exiting the main menu, this will set everything back to the factory default settings.

Included opposite is a selection of the most common and useful setting options available in the OSD menu, these are also the most appropriate for use with your CCTV camera.

IMPORTANT - When any changes have been made you must save them before exiting the OSD menu, highlight EXIT (option 9 in the MAIN MENU) and select SAVE & END before depressing the OSD button.

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	1/3" SONY CMOS
Effective Pixels (H×V)	NTSC/ PAL:1280(H)x720V)
Horizontal Resolution	720P
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	10 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%)/130mA
Lens	3.6mm Fixed Lens
Dimension	∅ 60 x 56(H) mm
Weight	250g
Storage Temperature	-30~+60℃ RH95% MAX
Operating Temperature	-10~+50℃ RH95% MAX