

Vandal-Resistant Exterior Dome Camera

- Sony® Super HAD II CCD
- Designed to provide surveillance in Vulnerable and Harsh environments, indoors or outdoors
- Rated to IP66 Weather Protection
- On Screen Display available in some versions
- 3-axis Gimbal bracket allows ceiling and wall mounting



Sensor	Interline CCD
Exposure Control	Electronic
Voltage	12V DC
AGC	Always on
BLC	On (default setting)
Video Signal	Composite into 75Ω
Operating Temp.	-10 °C to +50 °C
Relative Humidity	85% Max. non-condensing

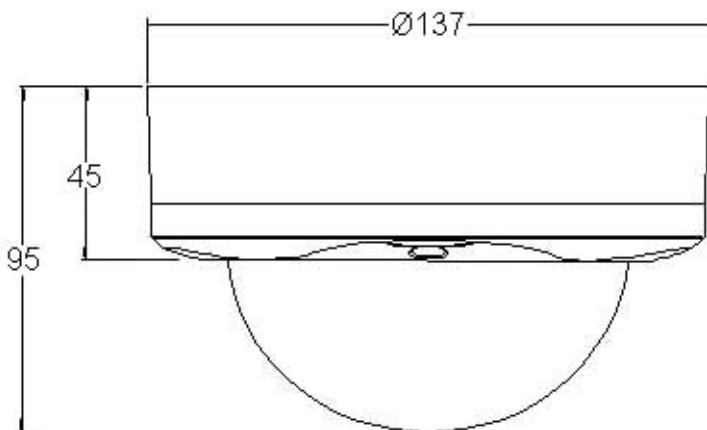
Connections

The power and video connections are made to the JCAM terminal board. OSD cameras are fitted with flying lead and 2nd video output cable for local set-up purposes.

12V	+12vDC power to camera
0V	0vDC from PSU and Ground screen of video cable
VID	Video signal from camera, signal core of video cable
AUD	Not used in this application
SIG	Not used in this application

The signal output is a standard PAL composite video signal.

Mode	Sensor	Resolution	Sensitivity	Power	Dims mm	Feature	ORDER CODE
Col	1/3" PAL	520 TVL	0.1 Lux	1.0 W	Ø137	Hi-Res Colour, OSD	VRD135CH
TDN	1/3" PAL	520/570 TVL	0.1/ 0.01 Lux (col/mono)	2.0 W	Ø137	True Day/ Night, OSD	VRD135CHT
Col	1/3" PAL	520 TVL	0.1 Lux	1.0 W	Ø137	Auto-Iris, Varifocal, OSD	VRD135CHVAI
Co/Mono	1/3" PAL	520 TVL	1.0 Lux	1.1W	Ø137	Auto-Iris, Varifocal, OSD	VRD135CMHVAI
TDN	1/3" PAL	520/570 TVL	0.1/ 0.01 Lux (col/mono)	2.0 W	Ø137	Auto-Iris, VF, TDN, OSD	VRD135CHVAIT
TDN	1/3" PAL	520 TVL	0 Lux (LED on)	2.0 W	Ø137	TDN, IR LED, OSD	VRD135CHLT
Col	1/3" PAL	480 TVL	1.0 Lux	3.5 W	Ø137	Wide Dynamic Range	VRD135CHVAI-WDR
Col	1/3" PAL	550 TVL	0.3 Lux	1.8W	Ø137	Ultra Hi-Res, AI, VF	VRD135CHHVAI
TDN	1/3" PAL	550/580 TVL	0.3/ 0.04 Lux (col/mono)	2.7W	Ø137	Ultra Hi-Res, AI, VF, TDN	VRD135CHHVAIT



Lenses

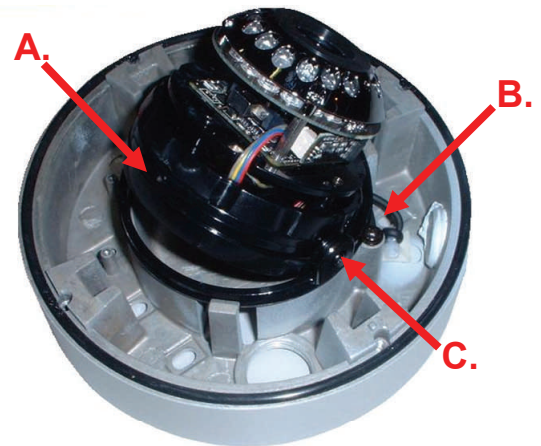
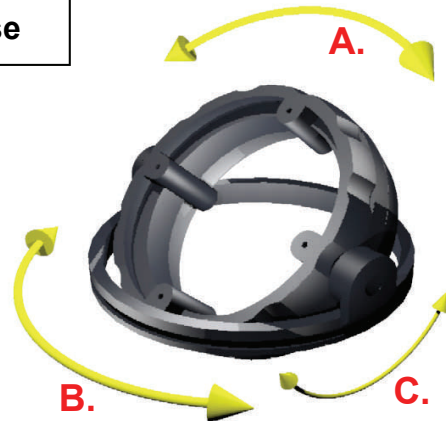
Standard lens is a 3.6 mm fixed type. Alternative lenses are an option: 6.0, 8.0, 12.0 mm. Vari-focal models are fitted with a 4-9 mm sweep lens. To order an alternative fixed lens : Add an oblique stroke and the required lens value to the end of the order code. E.g. 6 mm lens: **VRD135C/6.0**. To order a chrome-plated housing, add **-CRM** to the order code: E.g. **VRD135CHLT-CRM** ~ (please call sales desk with this enquiry)

3-AXIS GIMBLE OPERATION

Read this guide carefully before use

- A.** These grub screws control the rotation of the inner turntable and 'picture top'.
- B.** This screw controls the rotation of the whole assembly.
- C.** This screw controls pan and/or tilt, according to the vertical or horizontal mounting surface.

Picture of VRD135CHLT for demonstration purposes only
It may not exactly represent your product



A. OSD MENU ENTRY

- Press CENTRE key for 3 seconds

B. OSD MENU EXIT

- Press EXIT Menu to exit Main Menu
- Press Set Key for 3 seconds - Main Menu appears.

In this case, just press Set Key again

C. 'SAVE' and 'QUIT'

- Left or Right Key - Select Menu
 - Up or Down Key - Return to Menu
1. Press the SET key to access the main setup mode.
 2. Select the desired feature using the UP or DOWN key.
 3. Change the status of the selected feature using the LEFT or RIGHT key.

MAIN MENU

A. VIDEO MODE

- NTSC or PAL: User can choose either NTSC or PAL.

B. SETUP ID

- DISPLAY ID
 - ON :The ID name will be displayed in the monitor.
 - OFF : The name will not be displayed in the monitor.
- CAMERA ID : You can use up to 12 characters.
- ID POSITION : Select on screen position of the camera ID.

C. LENS

- MANUAL : Use when using Manual lens.
- DC : You can control the brightness of the screen and adjust the desired DC level from 10 to -40.

D. WDR

- WDR (Wide Dynamic Range) : You can adjust the desired WDR level from 20 to -20.

E. WB CONTROL

- ATW (Auto Tracking White Balance) : The camera automatically controls white balance in any environment.
- AWB (Auto White Balance) : The white balance is automatically adjusted to the specific environment.
- MANUAL : User can adjust the colours by adding or reducing the WB level from 2,500K to 9,500K

F. AGC

- ON : Activates automatic gain control feature.
- You can adjust the desired AGC level from 0 to 38dB.
- OFF : Deactivate automatic gain control feature.

G. LOW LIGHT

- SLOW SHUTTER : Control Image brightness by adjusting shutter speed
 - AGC : shutter speed setting(Range 28 to 48)
 - MAX FIELD : Shutter open from Min. x2 to Max. x32 field accumulation period.
- B&W SS (Black and White Slow Shutter)
- GAIN : To adjust picture brightness.

H. SYNC

- INTERNAL : Internal synchronization
- LINE LOCK : Phase adjustment may be necessary in multiple camera installations to prevent picture roll when switching between cameras

I. EXIT MENU

- EXIT NO CHANGES : No change
- SAVE NEW AND EXIT : Save changes
- RESTORE FACTORY SETTINGS : Factory default
- SW REV

J. PREVIOUS PAGE

- PREVIOUS PAGE : Return page

ON SCREEN DISPLAY

