

## DATASHEET

# VFDA28V12HDA

## 1080P HIGH DEFINITION ANALOGUE INTERNAL DOME



**HDA**



The VFDA28V12HDA is a discrete, fixed internal dome camera, capable of providing full HD 1080p resolution in TVI High Definition Analogue (HDA) format, over the coax cabling. With a wide range of features, it is suitable for many internal applications.

Crystal clear images are provided via the 2.8-12mm 2MP lens and the VFDA28V12HDA incorporates a comprehensive On Screen Display (OSD) menu. Accessible features include DWDR to provide balanced images in areas where there are contrasting scenes of view, along with Automatic Gain Control (AGC), Back Light Compensation (BLC), peak white inversion and 4 user defined privacy zones. The OSD is accessed locally from the tact switch, or over the coax if used with a compatible HDA DVR, making image set up and adjustment very easy for both installation and any servicing adjustments. Switching between the TVI/AHD/CVBS formats is quick and simple, aiding with the support of legacy DVR/control equipment support and a simple upgrade path to HD images on existing analogue systems once the DVR is upgraded.

The 'all-in-one', design of the VFDA28V12HDA, with the optically correct lower bubble and 3-axis gimble further simplifies installation and 12/24V operation allows a variety of power supplies to be used to suit the site application.

### Key Features:

#### Full HD imaging

Full HD 1920x1080 resolution in TVI or AHD formats ensures excellent images over the coax

#### Triple format

A single output provides 1080p or 1000TVL in CVBS to ensure compatibility with modern and legacy DVRs

#### Local or remote OSD set up

Access the comprehensive OSD either from the tact switch or over the coax with a compatible TVI/AHD DVR, making image adjustments and privacy zones set up quick and easy

#### Discrete design

An aesthetic dome design compliments the majority of internal applications

#### Dual voltage

The ability to use 12VDC or 24VAC power supplies increases flexibility in areas of use

## TECHNICAL SPECIFICATION

Model	VFDA28V12HDA-xxx
<b>GENERAL</b>	
Resolution	1080p (TVI/AHD) / 1000TVL (CVBS)
Image sensor	1/2.9" Sony CMOS
Operation	True Day Night
Effective pixels	1920 (H) x 1080 (V)
Scanning Freq.	PAL: 15.625KHz(H) x 50Hz(V)
Sync. system	Internal
Video output	1.0Vp-p (75Ω, composite)
S/N Ratio	More than 50dB (AGC off)
Video frame rate	1080p 25/30fps (PAL/NTSC)
Lens	2.8-12mm F1.2-360 2MP (manual Vari-Focal)
Min. illumination	1.0Lux (colour), 0.1Lux (mono)
OSD Control	Tact switch (internally on PCB) or via compatible DVR
Electronic Shutter	Auto or Manual (1/50, FLK to 1/50,000 sec)
DWDR	Off, On (0-8)
BLC	1 x adjustable area
HSBLC (PWI)	4 areas
Day & Night	Auto, Colour, B&W
White Bal.	AWB, ATW, AWC, Indoor, Outdoor, Manual
Motion Det.	4 areas
Privacy	4 areas
AGC	Off, On
2DNR/3DNR	Low, Middle, High
Mirror	Off, On
Brightness	0 - 100
Sharpness	0 - 10
DPC	Live, White, Black
Title	Off, On (15 characters)
Language	EN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, KOR, JPN, HEB, ARB
Auto Focus	Mode, One shot AF, TDN AF
Title	Off, On (16 characters)
Language	EN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, KOR, JPN, HEB, ARB
<b>CONNECTIONS/OTHER</b>	
Power	12VDC (-10 to +15%) / 24VAC (+/-10%)
Consumption	2.3W, 190mA @ 12VDC 2.2W, 90mA @ 24VAC
Power input	2-pin terminal block with 2.1mm jack adaptor
Video outputs	1 x BNC connector (HD & CVBS)
Temperatures	-10 to 50°C (operating) / -20 to 50°C (storage)
Environmental	IP30 & IK00
Humidity	0 to 90% (non-condensing)
Dims. (net)	Φ118.4 x 105 mm(H)
Dims. (gross)	150 (H) x 175 (W) x 175 (D) mm
Weight	350g (net) / 600g (gross)
Approvals	CE & RoHS2: 2011/65/EU

## Models In This Range

**0338700**  
**VFDA28V12HDA-WCB**  
(White case, Clear bubble, Black liner)

**0815550**  
**VFDA28V12HDA-WCW**  
(White case, Clear bubble, White liner)

**0815560**  
**VFDA28V12HDA-BCB**  
(Black case, Clear bubble, Black liner)

## Associated Products

**0656110**  
**VFDA-IWMB/W**  
Internal wall mount bracket (White)

**0656120**  
**VFDA-IWMB/B**  
Internal wall mount bracket (Black)

**0825400**  
**VCW-IWMB**  
Int wall mount (White)

**0811180**  
**DJBW**  
Ext/Int dome junction box



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DS - VFDA28V12HDA - Version 1

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