

DATASHEET

VVRD28V12MHDAW

1080P HIGH DEFINITION ANALOGUE VANDAL RESISTANT DOMES

HDA



VVRD28V12MHDAW



VVRD28V12MHDAIRW

The VVRD28V12MHDAW vandal resistant cameras are capable of providing full HD 1080p resolution in TVI High Definition Analogue (HDA) format, over the coax cabling. With a wide range of features, they are suitable for many internal and external applications.

The cameras include an auto-focusing, motorised 2.8-12mm zoom lens, which can be controlled either from the internal tact switch or over the coax from a compatible DVR, making image set up and adjustment very simple. A comprehensive On Screen Display (OSD) menu provides access to settings such as DWDR to provide balanced images in areas where there are contrasting scenes of view. True Day/Night operation with an IR cut filter assists with the excellent low light performance. The motorised lens auto focuses when switching between colour and monochrome modes to counteract IR focal shift for pin sharp 1080p images both day and night.

Tested to BS EN 62262, the IK10 vandal resistant VVRD also has 3-axis gimble to further simplify installation and a wide range of bracketry provides multiple mounting options. The default settings allow it to work automatically out of the box on TVI coax (for image and lens control), with 1000TVL CVBS allowing the VVRD28V12MHDAW cameras to also work on legacy equipment.

Key Features:

Full HD imaging

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

Motorised 2.8-12mm lens

The autofocus, motorised 2.8-12mm lens is controlled by either the tact switch or DVR, making for easier engineer set up and adjustment

Triple format

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

TDN operation with IR option

The switching IR cut filter ensures quality images day or night, with the IR model providing up to 25m of illumination

Vandal resistant IP66 housing

The IK10 housing has been tested to BS EN 62262: 2002 standards, making it robust enough to survive in most environments

TECHNICAL SPECIFICATION

Model	VVRD28V12MHDAW	VVRD28V12MHDAIRW
GENERAL		
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 25/30ips	
Lens	2.8-12mm F1.4-360 2MP (motorised)	
IR	n/a	28no 850nm LEDs / 30m illumination
Min. illumination	1.0Lux (colour), 0.1Lux (mono)	1.0Lux (colour), 0Lux (mono - IR on)
OSD Control	Tact switch (internally on PCB) or 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	
Auto Focus	Mode, One shot AF, TDN AF	
Title	Off, On (15 characters)	
Language	EN, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, KOR, JPN, HEB, ARB	
CONNECTIONS/OTHER		
Power	12VDC (-10 to +15%) / 24VAC (+/-10%)	
Consumption	2.3W, 190mA @ 12VDC	3.9W, 320mA @ 12VDC (IR on)
	2.2W, 90mA @ 24VAC	3.9W, 160mA @ 24VAC (IR on)
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	IP66 & IK10 (BS EN 62262)	
Humidity	0 to 90% (non-condensing)	
Dims. (net)	144 Φ x 99 mm (H)	
Dims. (gross)	150 (H) x 175 (W) x 145 (D) mm	
Weight	750g (net) / 1000g (gross)	
Approvals	CE & RoHS2: 2011/65/EU	

Models In This Range

0815570
VVRD28V12MHDAW
 1080p vandal resistant dome

0815580
VVRD28V12MHDAIRW
 1080p vandal resistant IR dome

Associated Products

0811180
DJBW
 Ext/Int dome junction box

0815480
VCW-EWMB
 Ext wall mount (White)



No liability will be accepted by Vista for any errors or omissions in this information.
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DS - VVRD28V12MHDAW - Version 1

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