

DATASHEET

VVRD28V12MHDA

1080P HIGH DEFINITION ANALOGUE VANDAL RESISTANT DOMES



VVRD28V12MHDA



VVRD28V12MHDAIR

The VVRD28V12MHDA 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, it makes it suitable for many internal or external applications.

Incorporating an auto-focusing, motorised 2.8-12mm zoom lens, this can be controlled either from the compact, inline tact switch or over the coax from a compatible DVR, making image set up and adjustment very simple. The tact switch also provides access to a comprehensive OSD, including 120dB of Wide Dynamic Range to provide balanced images in areas where there are contrasting scenes of view. True Day/Night operation with moving IR cut filter assists with the excellent low light performance. The motorized lens auto focuses 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 a separate CVBS 700TVL output allowing the VVRD28V12MHDA cameras to also work on legacy equipment.

Key Features:

Full HD TVI imaging

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

Motorised 2.8-12mm lens

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

Dual format

A TVI output provides 1080p images and lens control over the coax, with a separate CVBS, 700TVL to ensure compatibility with all modern DVRs

TDN operation with IR option

The switching IR cut filter ensures quality images day or night, with the IR model providing up to 20m 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

Wide Dynamic Range (WDR)

120dB of WDR improves image quality in challenging lighting situations

TECHNICAL SPECIFICATION

Model	VVRD28V12MHDA	VVRD28V12MHDAIR
Resolution	1080p (TVI) / 700TVL (CVBS)	
Image sensor	1/3" Panasonic CMOS	
DSP	EyeNix	
Operation	True Day Night	
Effective pixels	1944 (H) x 1092 (V)	
Scanning Freq.	PAL: 15.625KHz(H) x 50Hz(V)	
Sync. system	Internal	
Video output	1.0Vp-p (75Ω, composite)	
S/N Ratio	60dB (AGC off)	
Lens	3MP f2.8 - 12mm motorised (F1.4 - 360)	
Min. illumination	0.25lux (colour), 0.04lux (mono) @ F1.4	0.25lux (colour), 0lux (mono - IR on) @ F1.4
IR illumination	n/a	16 @ 850nm LEDs for 20m illumination
OSD / Lens Control	Via tactile switch on flying lead	
Electronic Shutter	Auto or Manual (1/25 to 1/30,000 sec)	
WDR	Low, Middle, High	
BLC	1 x adjustable area	
HLC (PWI)	Level 1- 20 / 8 colours	
Day & Night	Auto, Colour, B&W	
White Bal.	Auto, Autoext, Push, Manual	
Motion Det.	4 areas	
Privacy	16 standard / 8 polygonal	
AGC	Off, On	
DNR	Low, Middle, High	
Mirror	Off, On	
Brightness	0 - 20	
Sharpness	0 - 20	
Flip	Off, On	
Title	Off, On (8 characters)	
Language	EN	
Power	12VDC (-10 to +15%)	12VDC (-10 to +15%) / 24VAC (+/-10%)
Consumption	3W, 250mA @12VDC 4.8W, 200mA @24VAC	4.2W, 350mA @12VDC 7.2W, 300mA @24VAC
Power input	2-pin terminal block with 2.1mm jack adapter	
Video outputs	2 x BNC connector (TVI & CVBS)	
Temperatures	-10 to 50°C (operating) / -20 to 50°C (storage)	
Environmental	IP66 & IK10 (BS EN 62262)	
Humidity	0 to 90% (non-condensing)	
Colour	RAL7035	
Dims. (net)	144 (Φ) x 94.5 (H) mm	
Dims. (gross)	155 (H) x 170 (W) x 170 (D) mm	
Weight	650g (net) / 910 (gross)	
Approvals	CE & RoHS2: 2011/65/EU	

Models In This Range

0773690
VVRD28V12MHDA

0773700
VVRD28V12MHDAIR

Associated Products

0498930

VRD-EWMB
Wall Bracket

0457230

VDM-ECMA
Corner mount adaptor for wall bracket

0457240

VDM-EPMAq
Side pole adaptor fro wall mount bracket

0498940

VRD-EPMB
Pendant mount bracket

0690220

VRD-TMJB
Tower mount with junction box




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DS - VVRD28V12MHDA - Version 1

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