

DATASHEET

VVRD28V12MHDAIRSW

1080P HIGH DEFINITION ANALOGUE VANDAL RESISTANT TRUE WDR DOME



HDA



STARVIS

The VVRD28V12MHDAIRSW is a vandal resistant camera utilising Sony STARVIS™ technology for true WDR of 120dB and 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 or external applications.

The auto-focusing, motorised 2.8-12mm zoom lens, 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 features such as TWDR 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 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 700TVL CVBS allowing the VVRD28V12MHDAIRSW 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

Dual BNC outputs provides 1080p or 700TVL in CVBS to ensure compatibility with modern and legacy DVRs

TDN operation with IR

The switching IR cut filter ensures quality images day or night, providing up to 30m 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	VVRD28V12MHDAIRSW
GENERAL	
Resolution	1080p (TVI/AHD) / 700TVL (CVBS)
Image sensor	1/2.8" Sony STARVIS 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 52dB (AGC off)
Video frame rate	1080p 25/30ips (HD), 700TVL (CVBS)
Lens	2.8-12mm F1.4-3.6 2MP (motorised)
IR	28no 850nm LEDs / 30m illumination
Min. illumination	0.03Lux (colour), 0Lux (mono - IR on)
OSD Control	Tact switch (internally on PCB) or compatible DVR
Electronic Shutter	Auto or Manual (1/25, FLK to 1/50,000 sec)
AGC	0 to 10
Sens-up	Off, x2, x4, x8, x16, x32
Backlight	Off, HLC (PWI), BLC, WDR
White Bal.	AUTO (indoors), AUTOext (outdoors), Preset, Manual
Day & Night	Extern, Auto, Colour, B&W
Privacy	16 Zones
Motion Det.	4 Areas
DNR	Off, Low, Middle, High
Mirror	Off, On
Brightness	0 to 20
Sharpness	0 to 10
Auto Focus	Auto, Manual
Lens Scanning	Half, Full
Sync TDN	Off, On
Language	ENG, CHN, CHN(S), JPN, KOR
CONNECTIONS/OTHER	
Power	12VDC (-10 to +15%) / 24VAC (+/-10%)
Consumption	3.9W, 320mA @ 12VDC (IR on) 3.9W, 160mA @ 24VAC (IR on)
Power input	2-pin terminal block with 2.1mm jack adaptor
Video outputs	1 x BNC: TVI & AHD (Black) / 1 x BNC: CVBS (Yellow)
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 D 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

0815590
VVRD28V12MHDAIRSW

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 - VVRD28V12MHDAIRSW - Version 1

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