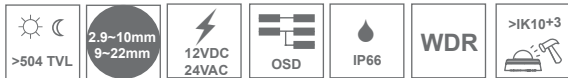


The VDM15 is the strongest fixed vandal dome available on the market. The housing integrates a die-cast aluminium case rated IP66 with a scratch resistant polycarbonate bubble that can withstand heavy impacts. It can be surface or flush mounted both internally and externally and features NTP standard conduit entries for easy cabling. The unique conical shape with its numerous mounting points allows for greater security and less chance of physical interference. The camera modules feature the Pixim® technology, permitting to correctly resolve images with an extremely wide dynamic range and deliver a resolution superior to 504 TVL. They are fitted on a 3-axis gimbal bracket and come with a choice of 2.9~10mm and 9~22mm varifocal lenses. Designed for the toughest environments, the VDM15 series is the perfect solution to secure prisons but also other external industrial, commercial, education and retail environments. It provides an absolute vandal proof performance combined with an outstanding video image quality.



VDM15DP22H29V10WDI
VDM15DP22H9V22WDI



Features

- Indoor/Outdoor Surface or Flush Mount
- Built to IP66, impact protection >IK10+3
- Die-cast aluminium construction with impact and scratch resistant polycarbonate bubble (tinted also available, conditions apply)
- Side and rear 3/4" (25mm) NPT conduit fittings
- Unique conical shape with numerous mounting points
- No ligature points
- 12VDC/24VAC Power Supply Converter for the Camera
- 3-Axis gimbal
- Pixim® Orca Sensor
- >504 TVL
- 0.95 Lux @ F1.2
- Wide Dynamic Range - 120dB max
- User configurable exposure, AGC, AWB, SDN (Software Day/Night) via OSD menu
- Digital zoom x2
- VDM15DP22H29V10WDI: 2.9~10mm lens
- VDM15DP22H9V22WDI: 9~22mm lens

General Specifications of the Housing



Flush mount made easy with the extending locking arms



3-Axis Gimbal Chassis

Material	Heavy duty die-cast aluminum lid and ribbed surface mount ring Triple honeycomb construction to prevent damage from side/lateral impacts Conical shape reducing ligature points and offering better deflection characteristics when attacked Polycarbonate bubble Fully supported dome bubble to prevent bubble from being pushed in Dome liner to reduce glare and obscure camera position Rigid gimbal assembly that does not change position on impact
Weight	1.2Kg / 2lb 9.5oz (excluding camera)
Dimensions	Diameter: 180mm / 7" (surface mount) 168mm / 6" (flush mount) Height: 102mm / 4" (surface mount) 67mm / 3" (flush mount)
Integrity	Weatherproof, IP 66
Impact Protection Rating	Exceeding IK10+3 (120J)
Voltage	12VDC / 24VAC
Fixing	Wall and ceiling mount - surface or flush mount 7 mounting points in surface mount configuration for extremely strong mounting, prevents sheering or mounting hole failure from side/lateral impacts Sloped sides with no ligature points in surface mount configuration
Cable entry	Side and rear 3/4" NPT conduit fittings PCAs supported
	SPS, Service Jack/OSD/Thermostat, UTP and Heater

General Camera Specifications

Image size	Pixim® Sensor D2010
Pixel Element	720H x 540V
Operation Temperature	-10°C ~ +50°C
Storage Temperature	-30°C ~ +60°C
Power Source	DC12V +/- 15% (supplied from housing)
Power Consumption	4.2W Max
External Dimensions	80mm (D) x 80mm (W) x 65mm (L)
Weight	90g
Certification	Standard CE / FFC

Functional Specifications

Exposure Control	Gain Control, Shutter Control, Wide Dynamic, Manual
Wide Dynamic Range	120 dB max
Slow Shutter	Default 2x, max 32x
Electronic Shutter	1/50 ~ 1/1000000s
MEC	Manual Slow Shutter
BLC	Areas x4
Day/Night	Software Day Night
White Balance	AWB, ATW, MWB
Auto White Balance Range	2800°K ~ 7500°K, 2000°K ~ 11000°K
SYNC System	INT, L/L
Digital Zoom	57Hz - 62.4 Hz for NTSC / 47.5 Hz - 52 Hz for PAL Digital Zoom max. 2x

Video Specifications

Resolution	>504 TV Lines
Minimum Illumination	0.95 lux @ F=1.2 (AGC Boost)
Video Output	1.0Vpp 1.0Vpp 750hm BNC unbalanced
S/N Ratio	>50dB @F1.2, 50 IRE
White Clip	100 IRE
Pedestal Level	7.5 IRE
SYNC Level	40 IRE
Burst Level	40 IRE
H Aperture	10 IRE (r 0.45 100IRE Video Output)
V Aperture	10 IRE (r 0.45 100IRE Video Output)
Gamma Compensation	0.45
Flip	Yes

Functional Control

OSD Yes



Control board to set up the camera module

Lens Data - 2.9~10mm

Mounting Type	Ø 14 direct mount
Type of Focal	Varifocal
Type of Iris	DC Drive Auto-Iris
	2.9~10mm Focal Length
Iris	F1.2 ~ 360
	Diagonal: 125.0° ~ 36.0°
	Horizontal: 94.6° ~ 28.8°
	Vertical: 68.4° ~ 21.6°
Minimum Object Distance	0.15m
Dimensions	Ø29 X 39 x (40.7)mm
Lens	Aspherical

Lens Data - 9~22mm

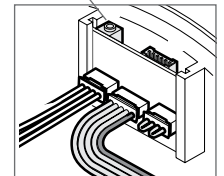
Mounting Type	Ø 14 direct mount
Type of Focal	Varifocal
Type of Iris	DC Drive Auto-Iris
	9~22mm Focal Length
Iris	F1.8~F360
	Diagonal: 39.0° ~ 17.6°
	Horizontal: 30.7° ~ 14.1°
	Vertical: 22.7° ~ 10.6°
Minimum Object Distance	0.2m
Dimensions	Ø29.2 X 40.2 x (40.5)mm
Lens	Aspherical

Service Cable SVC-CABLE (Optional)

Service lead for easy configuration and focusing of the camera when installed. Installer-friendly. Length: 3 ft (92cm).



Service Jack



UTP Transmission kit (Optional)

UTP transmission kit to transmit video signals over unshielded twisted pair cables.
VD-UTP-NVTRJ45: UTP with RJ45 connector.
VD-UTP-TB: UTP with screw terminal block.



Heater Kit D200-HTR (Optional)

Power input: 24VAC only.
Allows the camera module to operate down to -30°C.

