



VDM15DP22H29V10I VDM15DP22H9V22I

THE PRISON DOMES

Vandal proof die-cast aluminium dome housing featuring 540 TVL camera modules with 2.9~10mm or 9~22mm lenses

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 with a force of up to 800 kgs. 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 latest HQ1 DSP technology, offering low light performance, accurate colour reproduction and delivering a resolution of 540 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.



Features

- Indoor/outdoor - surface or flush mount
- IP 66
- Heavy duty die-cast aluminum lid and ribbed surface mount ring
- Impact and scratch resistant optically correct clear polycarbonate bubble (tinted also available, conditions apply)
- Side and rear 3/4" NPT conduit fittings
- 12VDC/24VAC power supply convertor for the camera module
- Optional heater and UTP transmission kits
- 540 TVL in day mode / 570 TVL in SDN mode
- 0.6 Lux @ F1.2

General Specifications of the Housing

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 capable of withstanding to a force of up to 800 kgs 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
Voltage	12VDC / 24VAC
Fixing	Wall and ceiling mount - can be surface or flush mounted 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

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General Camera Specifications

Image size	1/3 Format Interline CCD Sensor
Pixel Element	PAL 768H x 582V, 430K pixels NTSC 752H x 494V, 380K pixel
Scanning Frequency	PAL 2:1 Interlace/ H: 15625, V: 50Hz NTSC 2:1 Interlace / H: 15750Hz, V : 59.94Hz
Operation Temperature	-20°C ~ +50°C
Storage Temperature	-30°C ~ +60°C
Power Source	DC12V +/- 15% (supplied from housing)
Power Consumption	3W
Lens Mount	Direct Mount
External Dimensions	80mm(D) x 80(W) x 75mm(L)
Weight	150g
Certification Standard	CE / FCC

Functional Specifications

Exposure Control	DC Auto Iris Drive
BLC	Centre Area for Auto Iris
White Balance	Auto White Balance
Auto White Balance Range	AWB 2700K ~ 11000K AWB-EX 2000K ~ 18000K
Day & Night	Software Day Night Colour Killer Auto Detect
AGC Boost	Enhance AGC Gain to max. 30dB
Line Lock Phase adjust Range	0° ~ 270°
Line Lock Frequency Range	50Hz ±1Hz

Video Specifications

Resolution	Normal Mode 540 TV Lines S-D/N Mode 570 TV Lines
Minimum Illumination	0.6 lux @ F=1.2 (50 IRE Video Output)
Video Output	1.0Vpp 750nm BNC unbalanced
S/N Ratio	50dB
AGC Turbo Gain	30dB
AGC Preset Gain	26dB
H Aperture	10 IRE (r 0.45 100IRE Video Output)
V Aperture	10 IRE (r 0.45 100IRE Video Output)
Gamma Compensation	0.45

Functional Control or Adjustments

Exposure Control	DC Drive Lens
SDN	OFF/ ON Switchable
BLC	OFF/ ON Switchable
AGC Selectable	AGC-EX / AGC Norm
SYNC System	INT/ LL
Flickerless	OFF/ ON
ABW Range	AWB / AWB-EX
V-Phase	Var-Resistor on side panel
Lens Level Control	Var-Resistor on side panel

3-Axis Gimbal



Lens Data

VDM15DP22H29V10I

Mounting Type	Ø 14 direct mount
Type of Focal	Varifocal
Type of Iris	DC Drive Auto-Iris
Iris	2.9~10mm Focal Length
	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

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Mounting Type	Ø 14 direct mount
Type of Focal	Varifocal
Type of Iris	DC Drive Auto-Iris
Iris	9~22mm Focal Length
	F1.5 ~ 360
	Diagonal 39.2° ~ 16.4°
	Horizontal 30.6° ~ 13.0°
Vertical	22.6° ~ 9.8°
Minimum Object Distance	0.15m
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.

