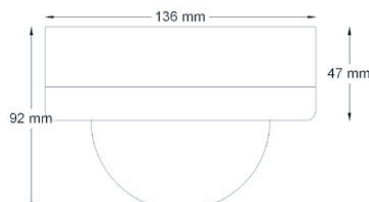
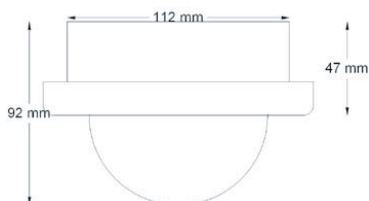
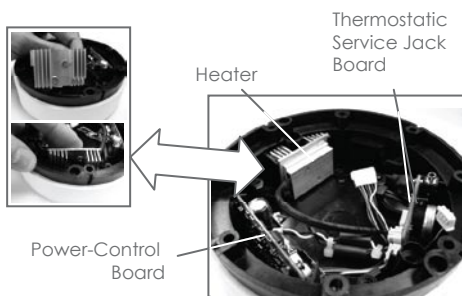


Designed for surface and flush mount applications, the compact vandal resistant domes from the VDP20 series offer a wide temperature range from -50°C to $+50^{\circ}\text{C}$. The unit includes a heater element to prevent condensation inside the enclosure, whilst maintaining the temperature within the operating limits of the camera, issues that if ignored will adversely affect the image quality. The housing combines a robust polycarbonate exterior rated at IP66 with a high impact and scratch resistant hemisphere and features camera modules with HQ1 DSP which deliver high quality images of 540 TV Lines during the day and 570 TV Lines at night.



VDP20DP24H29V10IHTR
VDP20DP24H9V22IHTR



Features

- Indoor/Outdoor Surface or Flush Mount
- Built to IP66, impact protection $>IK10^+$
- White Polycarbonate Exterior with Impact and Scratch Resistant Optically Correct Clear Polycarbonate Bubble (Black Housing & Tinted Bubble also available - Terms Apply)
- 3/4" NPT (25mm) Standard Conduit Entry on Rear and 1/2" NPT (20mm) Conduit Entry on Side
- Power input: 24VAC
- Operating temperatures from -50°C to $+50^{\circ}\text{C}$
- 3-Axis gimbal
- Day Mode: 540 TVL
- Night Mode: 570 TVL (Software Day/Night only)
- 1/3" Format CCD
- 0.65 Lux @ F1.2
- User Configurable LL, BLC, AGC, AWB, Flickerless, SDN
- VDP20DP24H29V10IHTR: 2.9~10mm lens
- VDP20DP24H9V22IHTR: 9~22mm lens

Mechanical

Material	Body: Polycarbonate Bubble: Polycarbonate
Dimensions	Base Diameter: 136mm; 5.35" Recessing Diameter: 112mm; 4.5" Total Depth: 92mm; 3.5" Mass: 0.9kg; 2lb
Finishes	White RAL 9010
Bubble Thickness	2.5 mm Polycarbonate

Environmental

Integrity	Weatherproof, IP66, UV Stable Material
Impact Protection Rating	Exceeding $IK10^+$ (40J)
Operating Temperature	-50°C ~ 50°C (with heater operation)
Storage Temperature	-30°C ~ 60°C

Electrical

Voltage	24 V AC
Power	≤ 15 Watts

Connectivity

Video	BNC connector on lead
Power	DC Jack plug (2.1mm)

Features

Mounting	Wall and Ceiling Mounting Surface or Flush/ Recess Mounting Single-action fold-out supports for ceiling mounting
Cable Entry	3/4" NPT (25mm) Standard Conduit Entry on rear and 1/2" NPT (20mm) conduit entry on side
Construction	Impact resistant, glass filled nylon body and polycarbonate shell Dome liner to mask camera position and reduce glare

General Camera Specifications

Image size	1/3 Format Interline CCD Sensor
Pixel Element	PAL 752H x 582V, 430K pixels NTSC 768H x 494V, 380K pixels
Scanning Frequency	PAL 2:1 Interlace / H: 15625Hz, V: 50Hz NTSC 2:1 Interlace / H: 15750Hz, V: 59.94Hz
Operation Temperature	-50°C ~ 50°C (with heater operation)
Storage Temperature	-30°C ~ +60°C
Power Source	DC12V +/- 15% (supplied from housing)
Power Consumption	4.2W max.
Lens Mount	Direct Mount
External Dimensions	80mm(D) x 80(W) x 75mm(L)
Weight	150g
Certification Standard	CE / FCC

Functional Specifications

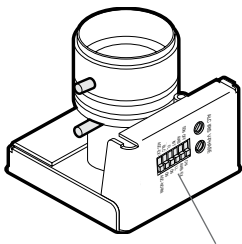
Exposure Control	DC Auto Iris Drive
BLC	Centre Area for Auto Iris
White Balance	Auto White Balance
Auto White Balance Range	AWB 2700K ~ 11000K AWB-EX 2000K ~ 18000K
Day & Night	Software Day Night Colour Killer Auto Detect
AGC Boost	Enhance AGC Gain to max. 30dB
Line Lock Phase adjust Range	0° ~ 270°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

Video Specifications

Resolution	Normal Mode 540 TV Lines S-D/N Mode 570 TV Lines
Minimum Illumination	0.65 lux @ F=1.2 (50 IRE Video Output)
Video Output	1.0Vpp 75ohm 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



DIP switch adjustments

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 F1.2 ~ 360
Iris	Diagonal: 125.0°~ 36.0° Horizontal: 94.6° ~ 28.8° Vertical: 68.4° ~ 21.6° 0.15m
Minimum Object Distance	0.15m
Dimensions	Ø29 X 39 x (40.7)mm
Lens	Aspherical

Lens Data - 9~22mm

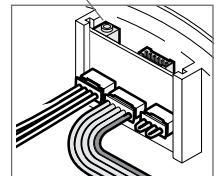
Mounting Type	Ø 14 direct mount
Type of Focal	Varifocal
Type of Iris	DC Drive Auto-Iris 9~22mm Focal Length F1.4 ~ 360
Iris	Diagonal: 41.9°~16.3° Horizontal: 32.1°~13.1° Vertical: 23.3°~9.8° 1m
Minimum Object Distance	1m
Dimensions	Ø29.2 X 40.2 x (40.5)mm
Lens	Aspherical

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



3-Axis Gimbal Chassis

