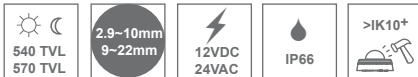


Designed in surface and flush mount, the compact VDP20 series provides outstanding performance operating in the most challenging environments. Suitable for indoor and outdoor installations, the VDP20 series integrates a robust polycarbonate exterior rated IP66 with a high impact and scratch resistant hemisphere. The housing integrates HQ1 DSP camera modules delivering 540 TV Lines and available with a choice of 2.9~10mm and 9~22mm lenses.

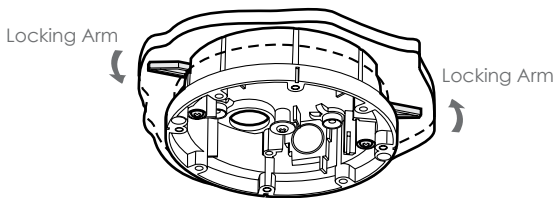


VDP20DP22H29V10I
VDP20DP22H9V22I

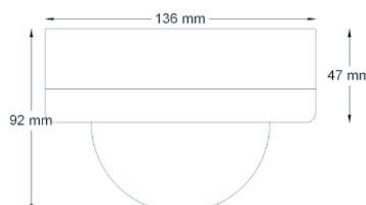
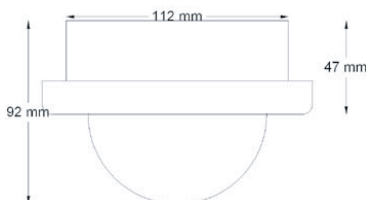


Features

- 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
- 12VDC/24VAC Power Supply Converter for the Camera
- 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
- VDP20DP22H29V10I: 2.9~10mm lens
- VDP20DP22H9V22I: 9~22mm lens



Flush mount made easy with the extending locking arms



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	-20°C ~ 50°C
Storage Temperature	-30°C ~ 60°C

Electrical

Voltage	12 V DC / 24 V AC
Power	3.5 Watts
Current	285mA (12V DC)

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: 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	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

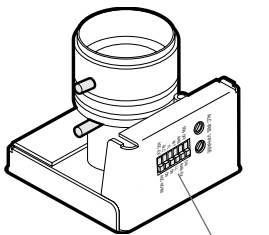
Exposure Control	DC Auto Iris Drive
BLC	Centre Area for Auto Iris
White Balance	Auto White Balance
Auto White Balance Range	AWB 2700K ~ 11000K AWB-EX 2000K ~ 18000K
Day & Night	Software Day Night Colour Killer Auto Detect
AGC Boost	Enhance AGC Gain to max. 30dB
Line Lock Phase adjust Range	0° ~ 270°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

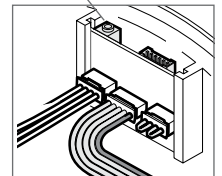
Mounting Type	Ø 14 direct mount
Type of Focal	Varifocal
Type of Iris	DC Drive Auto-Iris
	9~22mm Focal Length
Iris	F1.8~F360
	Diagonal: 39.0°~17.6°
	Horizontal: 30.7°~14.1°
	Vertical: 22.7°~10.6°
Minimum Object Distance	0.2m
Dimensions	Ø29.2 X 40.2 x (40.5)mm
Lens	Aspherical

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.



3-Axis Gimbal Chassis

