



SMALL, DISCREET, FULLY-FEATURED

The 22x PowerDome Lite is a true day/night camera with a 22:1 optical zoom. Very small and discreet, the dome is extremely cost effective and offers users all the features of a speed dome, such as continuous rotation and tours, where such an option may previously have been prohibitive due to cost.

The new camera is positioned in the PowerDome Lite range to give installers even more choice and offer the most cost-effective solution without impacting on the features you really need. The moving IR filter allows for use 24 hours a day with white light or with IR for covert use and the design is rugged and vandal resistant making it suitable for a huge variety of applications.

Easy and quick to install, the units come with a simple to navigate on-screen display. The coaxial control also allows for simple upgrade from an existing static camera to PTZ without needing to fit any extra cables.

To learn more about this product range please visit us at vista-cctv.com



Key Features:

Multi-protocol RS485 & Coaxial FSK (UTC) telemetry

Provides a wide choice of control options allowing the dome to be controlled from virtually all leading DVRs and matrices available on the market

Vandal Resistant

The dome is housed in a rugged aluminium case with a rating of IP669 which is resilient to a direct strike from a 10lb sledge hammer and ingress proof against direct jets of water. This makes it suitable for a vast array of hostile applications

Coaxial control

Simple upgrades of existing static cameras to PTZ are facilitated, without the need for extra cabling to be installed

Alarm input direct into dome

No external alarm boxes are required, keeping install and set-up to a minimum

High sensitivity & true day/night operation

With a sensitivity of 0.05 lux and moving IR filter, the camera provides high quality colour images during the day and excellent monochrome images at night. A choice of white or covert IR illumination can be used

22:1 optical zoom

Although the dome is small in size, the camera provides an impressive 22:1 optical zoom operating from 3.9-85.8mm, allowing the operator to zoom in and identify distant objects. This is further enhanced by the 11x digital zoom

MODELS IN THIS RANGE

VPDL-5WP-P-C 22:1 Day/Night Vandal Resistant Weatherproof dome with Clear Bubble

TECHNICAL SPECIFICATION

CAMERA 22X DAY / NIGHT

| | |
|-----------------------|--|
| Image Sensor | 1/4" Super- HAD |
| Camera Type | Day /Night (PAL) |
| Pixels | Total 795(H) x 596(V) Useable 762(H) x 582(V) |
| Focal Length | 3.9 - 85.8mm |
| Angle of view | 50.76° wide / 2.47° tele |
| Resolution | 480TVL colour 530TVL monochrome |
| Sensitivity | 0.5Lux colour 0.05Lux monochrome 0.001Lux Low-shutter |
| Video Output | 1.0 Vp-p (75ohm, composite) |
| Sync System | Internal / External |
| S/N Ratio | > 50dB (AGC off) |
| Camera Control | RS485 (Vista VPD, Pelco D, Pelco P) FSK [UTC] (Vista VPD-FSK) Coaxial control |

FUNCTION CAMERA

| | |
|-------------------------------|--|
| Focus Mode | Auto/Manual |
| Minimum Focus Distance | 0.1/1.0/1.5/2.5/6M |
| Digital Zoom | x11 On/Off |
| White Balance | AWB/Indoor/Outdoor/Manual/Flickerless |
| Auto Exposure | Auto/Shutter PRI/Iris PRI/Manual/Flickerless |
| Shutter Mode | Normal/DIS/WDR/Low Shutter |
| Shutter Speed | Normal ~ 1/10,000 sec. [x2 ~ x60 (Low Shutter)] |
| Iris Control | Auto/Manual (F1.6 ~ F32, Close) |
| Gain Control | Auto/Manual (0 ~ 30dB) |
| BLC | On/Off |
| Brightness | 0 ~ 90 steps |
| Sharpness | 0 ~ 15 steps |
| Picture | Mirror, Freeze, Neg/Posi, DNR, PIP |
| D/N Control | Auto/Colour, Monochrome (Mechanical IR cut filter) |

FUNCTION DOME

| | |
|----------------------|--|
| Pan Angle | 360° continuous rotation |
| Pan Speed | Manual: Max. 150° sec Auto: Max. 375° sec |
| Tilt Angle | 0 ~ 90° [Auto flip: On/Off] |
| Tilt Speed | Manual: Max. 150° sec Auto: Max. 375° sec |
| Preset Speed | Pan / Tilt. 375° sec |
| Presets | 60 Positions |
| Tours | x 4 (Up to 16 presets) |
| Auto Scan | x 4 |
| Area Titles | x 8 |
| Alarm Input | Off/NC/NO (1 Channel) |
| Alarm Output | Off/NC/NO (1 Channel) |
| Alarm State | Time-out/Momentary |
| Home Function | On/Off |
| Password | On/Off (OSD setup protection) |
| Dome ID | 63 x IDs (DIP Switch) |
| Baud Rate | (Vista) 9600 (Pelco P/D) 2400/4800/9600 |

LENS

| | |
|-----------------------|---------------------------|
| Zoom Ratio | Optical x 22, |
| Focal Length | 3.9 ~ 85.8mm |
| Aperture Ratio | F1.6 (wide) ~ F3.7 (tele) |

CONNECTORS

| | |
|------------------------|----------------------|
| Power Input | 3-pin terminal block |
| Video Output | BNC connector |
| RS485 Control | 2-pin terminal block |
| Alarm Input/Out | 4-pin terminal block |
| Connection Lead | 750mm long lead |

PHYSICAL

| | |
|------------------------------|--------------------------|
| Colour | Cool Grey (RAL7035) |
| IP Rating | IP669 |
| Operating Temperature | -10°C ~ + 50°C |
| Operating Humidity | 0 ~ 96% (non-condensing) |
| Storage Temperature | -20°C ~ + 60°C |
| Dimensions | 154 (Dia) x 130 (H) mm |
| Bubble | 110 (Dia) mm |
| Weight | 1.3kg Net |

ELECTRICAL

| | |
|----------------------------|------------------------|
| Voltage | 12V DC 24V AC ± 10% |
| Current Consumption | 12W |

CONTROL EQUIPMENT

Vista Smart Range of products
Vista Navigator Range of DVRs
Vista Blade Range of DVRs
Vista Triplex Range of DVRs

ASSOCIATED PRODUCTS

HARDWARE

| | |
|------------------|---|
| VPDL-WB | Wall Mount Bracket for VPDL & VVRD22 |
| VPDL-PM | Pendant Mount Bracket for VPDL & VVRD22 |
| VDM-CMAf | Corner mount bracket (use with VPDL-WB) |
| VDM-TML | Swan neck adaptor plate (use with VPD-TM) |
| VDM-EPMAe | Pole mount adaptor (side mounting) |

POWER SUPPLY UNITS

| | |
|------------------|--|
| VPS12-2A | Internal 12V DC 2Amp power supply |
| VPD-PSU2e | Outdoor 24V AC power supply designed for use with a pendant-mount weather proof PowerDome. Can be attached directly to a wall, or it can be mounted on to either the VPD-CMAe Corner Mount Bracket |



No liability will be accepted by Vista for any errors or omissions in this information.

DS-PDLite22x-version 3

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