

3-Axis Gimbal Chassis

### Features

- Wide Dynamic Range - 120dB max
- 2.9~10mm varifocal DC Iris lens
- User configurable exposure, AGC, AWB, SDN via OSD menu
- 1/3" format Pixim® D2010 sensor with RGB filtering
- >504 TVL
- High resolution Pixim® D15020 DSP
- Dual 12VDC/24VAC Auto Sensing Power
- 3-Axis Gimbal Chassis
- Line Lock with Phase Adjustment
- High-Impact Polycarbonate Housing and Dome
- Quick Install Kit (Optional)
- UTP Transmission kit (Optional)

### Order Codes

|         |                                      |
|---------|--------------------------------------|
| Vi-C3WC | 100mm Indoor Mini Dome, White, Clear |
| Vi-C3WD | 100mm Indoor Mini Dome, White, Dummy |
| Vi-C3BC | 100mm Indoor Mini Dome, Black, Clear |
| Vi-C3WD | 100mm Indoor Mini Dome, Black, Dummy |

### Accessories

|           |                               |
|-----------|-------------------------------|
| Vi-C3/QIP | Quick Install Kit             |
| Vi-C3/SVC | Service cable                 |
| Vi-C3/UTP | Twisted pair transmission kit |

### Overview

The MD4DP22H29V10WDI utilises IPE-DSP (Individual Pixel Exposure Digital Signal Processing) permitting the camera to correctly resolve images with an extremely wide dynamic range through the supplied 2.9~10mm DC varifocal lens. This ensures that all low lights areas of an image remain visible whilst keeping areas of highlights correctly exposed.

The AC/DC Universal Switching Power Supply provides a choice of power options for the installer. The MD4 series has been designed for fast and efficient installation featuring load-able screws for quick and easy surface wall mount, or ceiling installation using the optional quick ceiling install kit. The unique 3-Axis camera gimbal allows unrestricted configuration of lens position, focal length adjustment and focusing.

The mini dome is ideally suited for all applications where enhanced resolution and sensitivity are required, such as shopping centres, car parks, schools and airports.

### Technical Data

#### General

|                       |  |
|-----------------------|--|
| Image Size            | Pixim® Sensor D2010                            |
| Pixel Element         | 720H x 540V                                    |
| Scanning Frequency    | PAL 2 : 1 Interlace / H : 15625Hz , V : 50.0Hz |
| Operation Temperature | -10°C ~ +50°C                                  |
| Storage Temperature   | -20°C ~ +60°C                                  |
| Power Source          | AC power supply 19.0VAC ~ 28.0VAC              |
| DC power supply       | 10.0DCV ~ 30DCV                                |
| Power Consumption     | 4.2W Max                                       |
| Lens Type             | Varifocal                                      |
| Focal Length          | 2.9mm to 10mm, F1.2 Lens                       |
| Mount                 | Direct Mount                                   |
| External Dimensions   | Ø120X100(H) mm                                 |
| Weight                | 320g   |

#### Functional

|                          |   |
|--------------------------|---|
| Setup                    | OSD menu  |
| Exposure Control         | Gain Control, Shutter Control, Wide Dynamic, Manual |
| Wide Dynamic Range       | 120 dB max  |
| Slow Shutter             | Default 2x, max 32x                                 |
| BLC Area                 | x4  |
| Day/Night                | Software Day Night                                  |
| White Balance            | AWB, ATW, MWB                                       |
| Auto White Balance Range | 2800°K~ 7500°K<br>2000°K~11000°K                    |
| SYNC System              | INT, L/L  |
| Frequency Range          | 47.5 Hz - 52 Hz for PAL, 57Hz - 62.4 Hz for NTSC    |
| Digital Zoom             | Digital Zoom max. 2x                                |

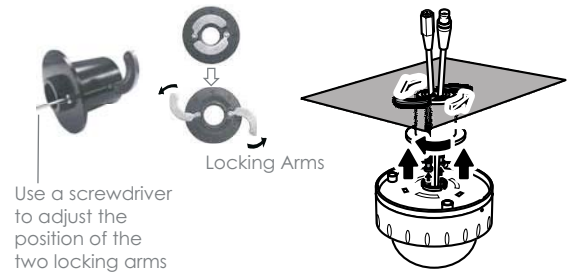
#### Video

|                      |                                     |
|----------------------|-------------------------------------|
| Resolution           | >504 TVL                            |
| Minimum Illumination | 0.95 lux @ F=1.2 (AGC Boost)        |
| Video Output         | 1.0Vpp 750hm BNC unbalanced         |
| S/N Ratio            | >50dB @F1.2, 50 IRE                 |
| White Clip           | 100 IRE                             |
| Pedestal Leve        | 7.5 IRE                             |
| SYNC Level           | 40 IRE                              |
| Burst Leve           | 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                                 |

#### Lens

|                         |  |
|-------------------------|--|
| Type of Focal           | Varifocal, 2.9~10mm  |
| Type of Iris            | DC Drive Auto-Iris   |
| Iris Range              | F1.2 ~ 360   |
| Field of View           | Diagonal: 125°~36°<br>Horizontal: 94.6°~28.8°<br>Vertical: 68.4°~21.6° |
| Minimum Object Distance | 0.15m  |
| Lens Type               | Aspherical   |

#### Vi-C2/QIPQuick Install Kit



#### DIP switch

