



## SpeedDome® Ultra Drone III Fixed Camera

### Features That Make a Difference:

- Identical in appearance to the full-featured SpeedDome Ultra
- Friction bearings hold camera in set position
- Powerful visual deterrent
- Multiple mounting options
- 540 line color camera inside
- Interchangeable with SpeedDome Ultra (fits standard and I/O board mounting bases)
- Choice of 2.5 - 6 mm, 3.8 - 9.5 mm, or 9 - 22 mm auto iris lenses
- Manual focus, zoom and iris adjustments
- 0.65 lux CF1.2
- Camera and eyeball of drone can be manually adjusted after installation
- Compatible with SpeedDome Ultra outdoor housings

The SpeedDome Ultra Drone III is a fixed camera housed inside the SpeedDome Ultra chassis. This 540 line color camera – with its choice of 1/3-inch, auto vari-focal lenses – provides a value driven alternative for users who require fixed camera coverage, but like the appearance and deterrence of a full-featured dome camera.

The 370° pan and 90° tilt mechanism enables the internal camera and the eyeball to be manually positioned in any orientation. The friction bearings hold the camera in that fixed position, pointing at the desired camera view. The manual lens controls allow for zoom, iris and focus adjustments as necessary. A dummy model is also available without a camera/lens assembly.

For maximum flexibility, the drone can accommodate both types of SpeedDome Ultra mounting bases – the standard mounting base and the I/O board mounting base. This means that the drones are interchangeable with SpeedDome Ultra without the need for any re-cabling. The interchangeability allows you to install the drones at a facility and then replace them with programmable domes as budgets and/or needs change. In addition, you can interchange the drones and the domes as surveillance requirements change.

**Model Numbers**

**Housing/Eyeball Assemblies**

- ADSDUDH2506N . . . . .Drone Color NTSC, 2.5-6 mm
- ADSDUDH2506P . . . . .Drone Color PAL, 2.5-6 mm
- ADSDUDH3895N . . . . .Drone Color NTSC, 3.8-9.5 mm
- ADSDUDH3895P . . . . .Drone Color PAL, 3.8-9.5 mm
- ADSDUDH0922N . . . . .Drone Color NTSC, 9-22 mm
- ADSDUDH0922P . . . . .Drone Color PAL, 9-22 mm

**Mounting Bases**

- ADSDUDPTB . . . . .Standard Mounting Base
- ADSDUIOB . . . . .I/O Board base

**Pre-Configured Drones/Mounting Bases**

- ADSDUDH2506PTN . . . . .Drone Color NTSC, 2.5-6 mm with standard base
- ADSDUDH2506PTP . . . . .Drone Color PAL, 2.5-6 mm with standard base
- ADSDUDH2506ION . . . . .Drone Color NTSC, 2.5-6 mm with I/O base
- ADSDUDH2506IOP . . . . .Drone Color PAL, 2.5-6 mm with I/O base
- ADSDUDH3895PTN . . . . .Drone Color NTSC, 3.8-9.5 mm with standard base
- ADSDUDH3895PTP . . . . .Drone Color PAL, 3.8-9.5 mm with standard base
- ADSDUDH3895ION . . . . .Drone Color NTSC, 3.8-9.5 mm with I/O base
- ADSDUDH3895IOP . . . . .Drone Color PAL, 3.8-9.5 mm with I/O base
- ADSDUDH0922PTN . . . . .Drone Color NTSC, 9-22 mm with standard base
- ADSDUDH0922PTP . . . . .Drone Color PAL, 9-22 mm with standard base
- ADSDUDH0922ION . . . . .Drone Color NTSC, 9-22 mm with I/O base
- ADSDUDH0922IOP . . . . .Drone Color PAL, 9-22 mm with I/O base

**Operational**

- Pan Travel . . . . .370° with end stop
- Tilt Travel . . . . .90°
- Camera Synchronization . . . .Line-lock
- Video Output Connector . . . .Female BNC

**Camera**

- Imager . . . . .Interline transfer 1/3 inch CCD array
- Scanning System . . . . .2:1 interlace
- Video Output . . . . .1.0 Vp-p, 75 Ω, composite
- S/N Ratio . . . . .50 dB (typical)
- Horizontal Resolution . . . . .540 lines at center
- Minimum Illumination . . . . .0.65 lux (f1.2 lens)
- White Balance . . . . .AWB
- NTSC
  - Effective Pixels . . . . .768 (H) x 494 (V)
  - Scanning . . . . .540 lines, 60 fields, 30 frames
  - Horizontal . . . . .15.734 kHz
  - Vertical . . . . .59.9 Hz
- PAL
  - Effective Pixels . . . . .752 (H) x 582 (V) pixels
  - Scanning . . . . .540 lines, 50 fields, 25 frames
  - Horizontal . . . . .15.625 kHz
  - Vertical . . . . .50 Hz

**Lens**

- Design . . . . .Vari-focal
- Focal Length . . . . .2.5 to 6 mm, 3.8 - 9.5 mm, 9 - 22 mm
- Aperture . . . . .f1:1.4
- Mount . . . . .CS
- Viewing angle
  - 2.5-6 mm . . . . .108.2° x 80.4° (wide) & 47.6° x 35.6° (tele)
  - 3.8-9.5 mm . . . . .74.2° x 54.0° (wide) & 30.0° x 22.4° (tele)
  - 9-22 . . . . .30.7° x 22.7° (wide) & 14.1° x 10.6° (tele)
- Field of View Formulas
  - Horizontal View = (4.4 x A)/B
  - Vertical View = (3.3 x A)/B
  - A = distance from camera (mm)
  - B = lens focal length (mm)

**Electrical**

- Input Voltage . . . . .24 VAC, 50/60 Hz, Class 2 LPS
- Design Tolerance . . . . .16 to 36 VAC, 50/60 Hz
- Power . . . . .7.5 watts, maximum

**Mechanical**

- Height . . . . .205 mm (8 in)
- Eyeball Diameter . . . . .120 mm (4.7 in)
- Weight
  - Chassis and Camera . . . . .0.85 kg (2.2 lbs)
  - Standard Base . . . . .0.06 kg (0.14 lbs)
  - I/O Board Base . . . . .0.16 kg (0.36 lbs)
  - RDULTRA . . . . .0.66 kg (1.45 lbs)
  - Shipping Weight . . . . .1.7 kg (3.74 lbs)

**Environmental**

- Operating Temperature . . . . .-10° to 50° C (14° to 122° F)
- Humidity . . . . .0% to 95% RH (non-condensing)
- Storage Conditions . . . . .-20° to 65° C (-4° to 149° F)

**Regulatory**

- Emissions . . . . .FCC: 47 CFR Part 15, Subpart B Class B
  - CE: EN55022 Class B
  - AS/NZS 3548, Class B
  - CISPR22, Class B
  - ICES-003
- Immunity . . . . .CE: EN50130-4
- Safety . . . . .UL1950
  - CSA22.2 No. 950
  - EN60950-1
  - IEC 60950-1

**Accessories**

**Optional Bubbles\* for Top Hat Mount**

- RUCLR . . . . .Clear Bubble (f0)
- RUSLV . . . . .Silver Bubble (f2.0)
- RUSMK . . . . .Smoked Bubble (f1.0)
- RUGLD . . . . .Gold Bubble (f2.0)

**Installation and Removal Accessory**

- RHIRT . . . . .Installation and Removal Tool

**Mounts and Adapters**

- RHIUTH . . . . .Top Hat with trim ring
- RHIUHC . . . . .Hard ceiling bracket (requires RHIUTH )
- RHIUFB . . . . .Fixed bracket (requires RHIUTH)
- RHIUAB . . . . .Adjustable bracket (requires RHIUTH)
- RHOPN . . . . .Pendant Mount
- RHIU3X3 . . . . .3 x 3 in mounting plate
- RHIU4X4 . . . . .4 x 4 in mounting plate
- RHIU2X2 . . . . .2 x 2 ft tile mount (special Top Hat included)
- RHIUIB . . . . .I-Beam mount with I-Beam adapter
- RHIUCM . . . . .Wall mount with corner adapter
- RHIULWM . . . . .Long 0.6 m (24 in) wall mount
- RHSDA . . . . .SpeedDome snap-hinge housing adapter

\*Bubble diameter and depth 176 x 86.5 mm (6.93 x 3.4 in), weight with trim ring 0.13 kg (4.4 oz)

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