



SpeedDome® Ultra Drone II Fixed Camera



FEATURES

- Identical in appearance to the full-featured SpeedDome Ultra
- Friction bearings hold camera in set position
- Powerful visual deterrent
- Multiple mounting options
- 330 line color camera inside
- Interchangeable with SpeedDome Ultra (fits standard and I/O board mounting bases)
- Manual 3.5 to 8.0 mm variable focal lens
- Manual focus, zoom and iris adjustments
- 1.5 lux, minimum illumination
- Camera and eyeball of drone can be manually adjusted after installation
- Option without camera/lens assembly

The SpeedDome Ultra Drone II is a fixed camera housed inside the SpeedDome Ultra chassis. This 330 line color camera – with its 1/3-inch, manual vari-focal, 3.5 mm to 8.0 mm lens – 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 customers to install the drones at a facility and then replace them with programmable domes as budgets and/or needs change. In addition, customers can interchange the drones and the domes as surveillance requirements change.

SPECIFICATIONS

Model Numbers

Housing/Eyeball Assemblies	
RAS614LS	Drone Color NTSC
RAS614LS-1	Drone Color PAL
Mounting Bases	
RUPTB	Standard mounting base
RUIOB	I/O Board base
Pre-Configured Drones/Mounting Bases	
RAS614LSI	Drone with I/O Board base NTSC
RAS614LSI-1	Drone with I/O Board base PAL
RAS614LSP	Drone with Standard base NTSC
RAS614LSP-1	Drone with Standard base PAL
RDULTRA	Drone assembly, no camera or lens

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	>46 dB (typical)
Horizontal Resolution	330 lines at center
Minimum Illumination	1.5 lux (f1.2 lens)
White Balance	Automatic, 3000° K to 7000° K
NTSC	
Effective Pixels	512 (H) x 492 (V)
Scanning	330 lines, 60 fields, 30 frames
Horizontal	15.734 kHz
Vertical	59.9 Hz
PAL	
Effective Pixels	512 (H) x 582 (V) pixels
Scanning	330 lines, 50 fields, 25 frames
Horizontal	15.625 kHz
Vertical	50 Hz

Lens

Design	Vari-focal
Focal Length	3.5 to 8.0 mm
Aperture	f1:1.4
Mount	CS
Viewing Angle	
3.5 mm	78° H x 58° V
8.0 mm	35° H x 27° V
Field of View Formulas	
Horizontal View	$= (4.4 \times A)/B$
Vertical View	$= (3.3 \times A)/B$
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	1.36 kg (3 lbs)
Standard Base	0.09 kg (0.20 lbs)
I/O Board Base	0.16 kg (0.35 lbs)
RDULTRA	0.66 kg (1.45 lbs)
Max Shipping Weight	2.15 kg (4.75 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 A
	CE: EN55022 Class B
	CE: EN6100-3-2
	CE: EN6100-3-3
	AS/NZS 3548, Class A
	CISPR22
	ICES-003
Immunity	CE: EN50130-4
Safety	UL: UL1950
	cUL: CSA 22.2 No. 950
	CE: EN60950
	IEC950

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)