

5" STATIONARY CAMERA DOME SERIES

KD5 Series

The KD5 stationary dome series is ideal for fixed camera applications requiring a high quality small dome environment. The 5" dome is available with or without 4" x 4" x 2-1/8" style electrical box. The 5" flat includes all mounting hardware, and a metal back option is available (model #6) for plenum applications.

All versions are designed to blend in with facility aesthetics while providing discreet camera surveillance. Both the dome and flat versions have smoked, transparent, chrome and gold options with various trim rings.

A number of camera lens combinations are available, including high or standard resolution, B&W or color, factory tested and installed. Both versions provide full 360° horizontal viewing with 360° camera roll. The dome version has 0-90° vertical viewing, while the flat version provides 0-30° vertical viewing.

Each unit is easily serviced with a quick release feature. The lower window is attached by a safety wire support, and both units have a tamper-proof locking feature.



FEATURES

- Dome interfaces with standard 4" x 4" x 2-1/8" electrical box
- 5" dome or flat versions
- Flat version has metal back can option
- Blends with surrounding aesthetics with transparent, smoked, chrome or gold lower units
- Various trim finishes available
- Simple installation and maintenance
- Fixed-camera mount included with camera
- Flat version is user upgradable to dome version
- Optional adjustable liner
- 1-year factory warranty



5" KD5 Series

TECHNICAL SPECIFICATIONS

MODELS

Dome: 5" fixed camera dome utilizing a wide range of Ultrak 1/3" board cameras and interfacing a standard 4" x 4" x 2-1/8" electrical back box. Provides full 360° horizontal and 0-90° vertical viewing angle with full 360° camera roll.

Flat: 5" fixed camera flat window utilizing a wide range of Ultrak 1/3" board cameras. Provides full 360° horizontal and 0-30° vertical viewing angle with full 360° camera roll. Upper housing will accommodate dome lower housing upgrade.

ELECTRICAL (HOUSING)

Input Voltage 12V dc ± 10%

MECHANICAL (HOUSING)

Angular Travel:
Horizontal ± 180°
Vertical:
Dome 0-90° up
Flat 0-30° up
Roll 360°

Camera Mounting: Universal mount attached to yoke assembly will accommodate CS-mount and fixed lens board cameras

Cable Entry:
Dome Conduit knock-out in standard 4" electrical box
Flat 3/4" conduit hole in top side of back can

Cable Connection:
Dome Terminal strip and BNC at top of upper housing
Flat Terminal strip and BNC at top of upper housing

Construction:
Back Can/Box:
Dome Plenum rated steel (standard 4"x4" electrical box)
Flat Plenum rated steel
Upper Housing UL-approved, flame-retardant ABS plastic
Lower Housing Optically graded acrylic, distortion free

Finish:
Back Can/Box:
Dome Standard galvanized steel
Flat Black, epoxy powder coat
Lower Housing:
Dome Smoked
Flat Smoked
Trim White, gold

Dimensions See drawings

Weight
Dome 1.0 lb (without 4"x4" back box)
Flat 2.0 lbs (with back can)

GENERAL (HOUSING)

Optical Losses:
Clear/Liner Virtually no light loss
Smoked Equivalent F-stop 1.0 ± 15%
Gold Equivalent F-stop 1.0 ± 15%
Chrome Equivalent F-stop 1.0 ± 15%

Filtration Neutral density

Environment Indoor

ELECTRICAL (CAMERA)

Specification: High Resolution Color

Image Sensor	1/3" interline transfer CCD
Active Pixels	768H x 494V
Horiz. Resolution	480 lines
Min Scene Illum.	2 lux @ F1.2
Signal to Noise	>48dB (AGC off)
AGC	On/off selectable
White Balance	Automatic
Backlight Comp.	Selectable
Auto Iris	Y signal
Signal Format	NTSC
Video Output	VBS 1.0Vp-p 75Ω
Power Req.	12V dc ± 10%
Power Consumpt.	250mA

Specification: Standard Resolution Color

Image Sensor	1/3" interline transfer CCD
Active Pixels	510H x 492V
Horiz. Resolution	330 lines
Min Scene Illum.	2 lux @ F1.2
Signal to Noise	>48dB (AGC off)
AGC	On/off selectable
White Balance	Auto/manual
Backlight Comp.	No
Auto Iris	Y signal
Signal Format	NTSC
Video Output	VBS 1.0Vp-p 75Ω
Power Req.	12V dc ± 10%
Power Consumpt.	250mA

Specification: High Resolution B&W

Image Sensor	1/3" interline transfer CCD
Active Pixels	768H x 494V
Horiz. Resolution	570 lines
Min Scene Illum.	.2 lux @ F1.2
Signal to Noise	>48dB
AGC	On/Off selectable
White Balance	NA
Backlight Comp.	No
Auto Iris	Y signal
Signal Format	NTSC
Video Output	VBS 1.0Vp-p 75Ω
Power Req.	12V dc ± 10%
Power Consumpt.	150mA

ELECTRICAL (CAMERA)

Specification:	Standard Res B&W
Image Sensor	1/3" interline transfer CCD
Active Pixels	510H x 492V
Horiz. Resolution	380 lines
Min Scene Illum.	.2 lux @ F1.2
Signal to Noise	>48dB
AGC	On/Off selectable
White Balance	NA
Backlight Comp.	No
Auto Iris	Y signal
Signal Format	NTSC
Video Output	VBS 1.0Vp-p 75Ω
Power Req.	12V dc ±10%
Power Consumpt.	100mA

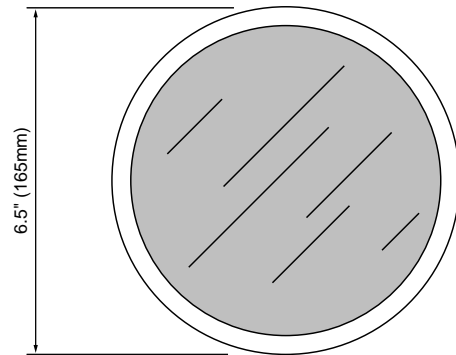
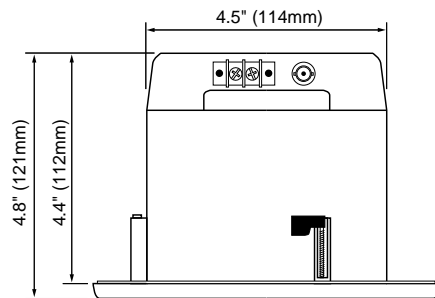
MECHANICAL (CAMERA/LENS)

Vari-focal Lens	3.5-8.0mm vari-focal
Dimensions	1.8W x 1.8H x 3.0D in (45W x 45H x 76D mm)
Weight	5.0 oz

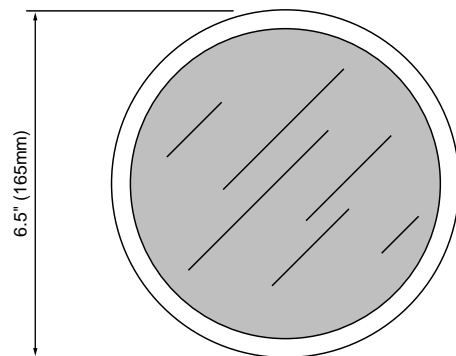
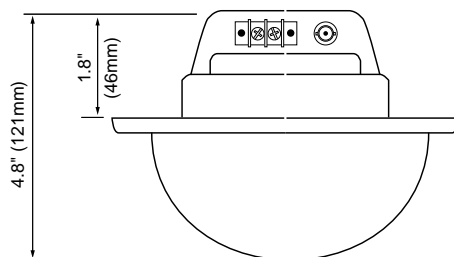
GENERAL (CAMERA/LENS)

Ambient Temp.	32°F - 104°F (0°C - 40°C)
Ambient Humidity	0% to 95% (non-condensing)

5" Flat



5" Dome



Conversion: 1" = 25.4mm
Measurement conversions are approximate

Ultrak 5" Dome Product Line

DOME

KD541111	smoked dome w/ liner, white trim ring, high res color camera, 3.5-8mm vari-focal lens
KD541121	smoked dome w/ liner, white trim ring, high res black-and-white camera, 3.5-8mm vari-focal lens
KD541411	smoked dome w/ liner, gold trim ring, high res color camera, 3.5-8mm vari-focal lens
KD541421	smoked dome w/ liner, gold trim ring, high res black-and-white camera, 3.5-8mm vari-focal lens
KD541136	smoked dome w/ liner, white trim ring, standard res color camera, 4.0mm lens
KD541137	smoked dome w/ liner, white trim ring, standard res color camera, 6.0mm lens
KD541146	smoked dome w/ liner, white trim ring, standard res black-and-white camera, 4.0mm lens
KD541142	smoked dome w/ liner, white trim ring, standard res black-and-white camera, 6.0mm lens

FLAT WINDOW

KD551111	smoked flat window, white trim ring, high res color camera, 3.5-8mm vari-focal lens
KD551121	smoked flat window, white trim ring, high res black-and-white camera, 3.5-8mm vari-focal lens
KD551411	smoked flat window, gold trim ring, high res color camera, 3.5-8mm vari-focal lens
KD551421	smoked flat window, gold trim ring, high res black-and-white camera, 3.5-8mm vari-focal lens
KD551136	smoked flat window, white trim ring, standard res color camera, 4.0mm lens
KD551137	smoked flat window, white trim ring, standard res color camera, 6.0mm lens
KD551146	smoked flat window, white trim ring, standard res black-and-white camera, 4.0mm lens
KD551142	smoked flat window, white trim ring, standard res black-and-white camera, 6.0mm lens

For special order configurations please consult your regional office.

Ultrak Corporate Headquarters and Eastern Regional Office:

1301 Waters Ridge Drive
Lewisville, TX 75057
(800)796-2288 (972)353-6400 Fax (972)353-6670

Ultrak Western Regional Office:

6252 West 91st Avenue
Westminster, CO 80030
(800)846-8884 (303)428-9480 Fax (303)429-6609

