

DuraCam

VK SERIES MINI RUGGEDIZED DOME CAMERA ENCLOSURE



Combine the high performance and dependability of our miniature cameras with the durability and strength of our sleek new mini rugged housings, and you have Ultrak's new DuraCam. The DuraCam mini ruggedized housings combine the most advanced camera technology with the latest impact resistance materials to deliver the best value and protection for your most challenging applications. Whether you are protecting an apartment complex, shopping mall, airport or a maximum-security correction facility, DuraCam has the solution to fit your most demanding applications indoors or out.

Each DuraCam VK series mini ruggedized dome housing utilizes a 1/3" high performance camera and comes standard with a 3.6mm fixed mini lens. Each DuraCam is covered with an optically clear 4" impact resistant dome shell and liner. Lenses are available in 2.9mm, 8mm, 12mm focal length options.

Installation is quick and easy with all the tamper proof mounting hardware included. Each DuraCam comes standard with 24 VAC operation and line lock. No job is too big or small for the uncompromising performance of the DuraCam impact resistance dome.

- Durable, impact and vandal resistant
- Puncture proof
- High resolution color (470TVL)
- 24 VAC operation with line lock
- Standard 3.6mm
- Optional lens, 2.9mm, 8mm, 12mm
- Varifocal lens options
- Indoor/outdoor (IP66 rated)
- DC auto iris varifocal option
- Simple installation
- 1/2" and 3/4" threaded NPT opening on top and side (surface dome)
- Flush or Surface mount dome chassis
- Manual tilt adjustment
- Tamper-resistant hardware included
- Clear dome with liner



TECHNICAL SPECIFICATIONS

MODELS

HIGH RES COLOR	VK74R36C	DuraCam flush dome, color high res, 4" clear dome w/liner, 3.6mm fixed lens, 24 VAC/LL
	VK74RVMC	DuraCam flush dome, color high res, 4" clear dome w/liner, 4-8mm manual varifocal , 24 VAC/LL
	VK74RVAC	Same as VK74RVMC except with 4-8mm auto iris
	VK74D36C	DuraCam surface dome, color high res, 4" clear dome w/liner, 3.6mm fixed lens, 24 VAC/LL
	VK74DVMC	DuraCam surface dome, color high res, 4" clear dome w/liner, 4-8mm manual varifocal , 24 VAC/LL
VK74DVAC	Same as VK74DVMC except with 4-8mm auto iris	

STANDARD RES B&W	VK44R36C	DuraCam flush dome, b/w std res, 4" clear dome w/liner, 3.6mm fixed lens, 24 VAC/LL
	VK44RVMC	DuraCam flush dome, b/w std res, 4" clear dome w/liner, 4-8mm manual varifocal , 24 VAC/LL
	VK44RVAC	Same as VK44RVMC except with 4-8mm auto iris
	VK44D36C	DuraCam surface dome, b/w std res, 4" clear dome w/liner, 3.6mm fixed lens, 24 VAC/LL
	VK44DVMC	DuraCam surface dome, b/w std res, 4" clear dome w/liner, 4-8mm manual varifocal , 24 VAC/LL
	VK44DVAC	Same as VK44DVMC except with 4-8mm auto iris

VKHO20W	Heater option for all DuraCam models
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POWER

Power Source	AC24V(10%)
Power Consumption	4.6 W (color) / 2.5 W (b/w)

SENSOR AND GENERAL INFORMATION

Image Sensor	1/3" interline transfer CCD
Picture Element	(VK74) 768(H) x 494(V) [752(H) x 582(V)]
Picture Element	(VK44) 510(H) x 494(V) [500(H) x 582(V)]
Scanning System	2:1 interlace
Scanning frequency	15.734KHz(H), 59.94Hz(V) [15.625KHz(H), 50Hz(V)]
Operating Temperature	14°F to 122°F (-10°C to +50°C)
Sync. System	Line lock
Electronic shutter	1/60 ~ 1/100,000 sec.

VIDEO

Signal Format	(VK74) NTSC
Signal Format	(VK44) EIA
Resolution	(VK74) 470 TV lines
Resolution	(VK44) 380 TV lines
Min. Illumination	(VK74) 2.8 lux (F2.0, 50IRE, Clear Dome) (VK74XVM) 3.7 lux @ F2.0
Min. Illumination	(VK44) 0.2 lux (F2.0, 50IRE, Clear Dome) (VK44XVM) 1.2 lux @ F2.0
Video Output	1.0 Vp-p, 75 ohm unbalanced
S/N Ratio	46dB (AGC OFF)
BLC	40% center (BLC ON)
Sync Level	40 IRE
AGC	ON Fixed

FUNCTION

Line Lock Phase	300°
Shutter Speed	Auto
White Balance	(VK74) AWB (2500°K ~ 8500°K)
E/I	On Fixed
Gamma	ON (0.45) Fixed

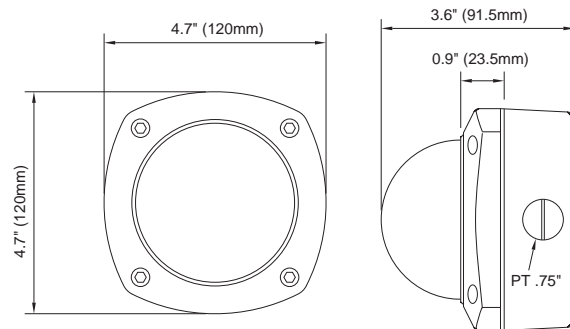
CONNECTOR & MECHANICAL

Video & Power In/Out	BNC connector / 2pin wire
Lens	f=3.6mm, Fixed iris (F2.0)

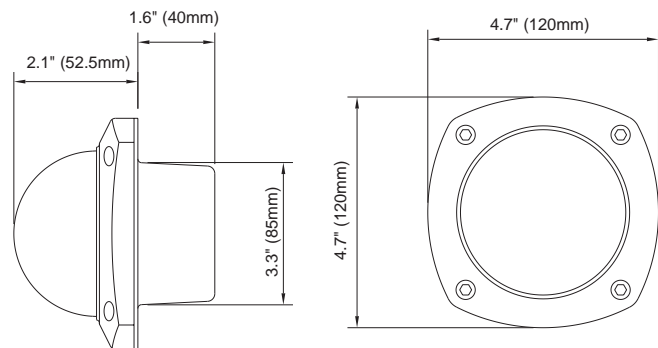
OPTIONAL LENSES

VKL12FB	DuraCam lens, 12mm for black and white camera
VKL12FC	DuraCam lens, 12mm for color camera
VKL29FB	DuraCam lens, 2.9mm for black and white camera
VKL29FC	DuraCam lens, 2.9mm for color camera
VKL36FB	DuraCam lens, 3.6mm for black and white camera
VKL36FC	DuraCam lens, 3.6mm for color camera
VKL08FB	DuraCam lens, 8mm for black and white camera
VKL08FC	DuraCam lens, 8mm for color camera

SURFACE DOME



FLUSH DOME



Design and specifications subject to change without notice.

Conversion: 1" = 25.4mm
Measurement conversions are approximate

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