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Overview

CamPlete camera kits come with everything you need for a complete video camera solution. Indoor kits include camera, lens, and wall mount. Outdoor kits come with camera, lens, wall mount, housing, and ready-to-connect power and video cables. With everything preassembled, installation time is dramatically reduced. The lens is attached, the camera is in the housing, and even the back focus is set at the factory. Ordering is made easier—use one part number instead of several.

Outstanding Features

Camera options in both kits range from standard resolution black-and-white cameras to top-of-the-line UltraView models. Varifocal, autoiris lenses are already mounted to the camera and adjust to the available light, giving you a better image.

Weatherproof housing in the outdoor kits is constructed of durable ABS plastic and includes a sliding sunshield, heater and blower for weather extremes, mount, and housing. Strong and lightweight, this housing resists abrasions and stress-cracking.

Save time over ordering individual components and enjoy quick installation with reduced labor costs.

Camera Technology

CamPlus cameras come with the CamPlete kits, offering a wide variety of options depending on your situation. For more challenging lighting conditions, the UltraView camera's XPosure technology digitizes each pixel separately several times per frame for perfect exposure and a wide dynamic range 250 times better than the average CCD camera.

Or select a day/night camera that delivers high-quality color images by daylight and crisp, high-sensitivity black-and-white pictures under low-lighting conditions. Other CamPlus cameras feature digital signal processing, automatic white balance control, automatic backlight compensation, and easy-to-access side panel controls.

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Indoor and Outdoor Camera Kits



CamPlete outdoor kit housing contains camera, lens, and cables in one ready-to-mount package

Standard Features

- **Factory assembled and ready to install, reducing labor and installation costs**
- **Preconfigured indoor camera system includes camera, lens, and wall mount**
- **Preconfigured outdoor camera system includes camera, lens, wall mount, housing, and ready-to-connect power and video cables**
- **Wide range of CamPlus color and black-and-white cameras available**
- **UltraView and Day/Night technology available**
- **Autoiris lenses installed and back focus set at factory**

Color Camera Specifications

	KTC-810C	KTC-815C	KTC-840C	KTC-2000DN	KTC-XP1
Image sensor	1/3 in interline transfer Super HAD CCD	1/3 in interline transfer Super HAD CCD	1/3 in interline transfer EXview HAD CCD	1/3 in interline transfer EXview HAD CCD	1/3 in interline transfer GE Xposure technology
Signal system	NTSC standard PAL optional	NTSC standard PAL optional	NTSC standard PAL optional	NTSC standard PAL optional	NTSC standard PAL optional
Pixels	542 H x 492 V (NTSC) 542 H x 582 V (PAL)	811 H x 508 V (NTSC) 795 H x 596 V (PAL)	811 H x 508 V (NTSC) 795 H x 596 V (PAL)	811 H x 508 V (NTSC) 795 H x 596 V (PAL)	720 H x 540 V (NTSC)
Scanning system	525/60 lines (NTSC) 625/50 lines (PAL)	525/60 lines (NTSC) 625/50 lines (PAL)	525/60 lines (NTSC) 625/50 lines (PAL)	525/60 lines (NTSC) 625/50 lines (PAL)	525/60 lines (NTSC) 625/50 lines (PAL)
Synchronization system	Internal line lock; phase adjustable	Internal/line lock; phase adjustable	Internal/line lock; phase adjustable	Internal/line lock; phase adjustable	Internal/AC line lock
Resolution	380 TVL	480 TVL	480 TVL	480 TVL (color mode); 570 TVL (B/W mode)	480 TVL (horizontal); 460 TVL (vertical)
Sensitivity	0.05 lux (faceplate); 0.5 lux @ f1.2 (SAGC on, 30 IRE)	0.05 lux (faceplate); 0.5 lux @ f1.2 (SAGC on, 30 IRE)	0.01 lux (faceplate); 0.1 lux @ f1.2 (SAGC on, 30 IRE); 0 lux visible light under IR illumina- tion (730 to 110 NM)	0.001 lux (faceplate); 0.01 lux @ f1.2 (SAGC on, 30 IRE); 0 lux visible light under IR illumina- tion (730 to 110 NM)	0.4 lux @ f1.2 (30 IRE)
Signal-to-noise ratio	> 50 dB	> 50 dB	> 50 dB	> 52 dB	> 52 dB
Electronic shutter	1/60 to 1/100,000 second, automatic or manually selectable	1/60 to 1/100,000 second, automatic or manually selectable	1/60 to 1/100,000 second, automatic or manually selectable	1/60 to 1/100,000 second, automatic or manually selectable	
ATW color balance	Standard range of 2500 to 9500 K	Standard range of 2500 to 9500 K	Standard range of 2500 to 9500 K	Standard range of 2500 to 9500 K	Possible range of 2000 to 11000 K (ATW, ATW-WIDE, HOLD)
AWB color balance	Conventional white balance	Conventional white balance	Conventional white balance	Conventional white balance	
Gain	Normal AGC/Super AGC	Normal AGC/Super AGC	Normal AGC/Super AGC	Normal AGC/Super AGC	AGC on/off
Gamma correction	0.45/1.0	0.45/1.0	0.45/1.0	0.45/1.0	0.45 (NTSC); 0.36 (PAL)
Auto backlight compensation	Off/on	Off/on	Off/on	Off/on	Off/on
Video output composite	1.0 V pk-pk at 75 ohm load	1.0 V pk-pk at 75 ohm load	1.0 V pk-pk at 75 ohm load	1.0 V pk-pk at 75 ohm load	1.0 V pk-pk at 75 ohm load
Power source*	Universal, 10 to 40 VDC, 18 to 30 VAC	Universal, 10 to 40 VDC, 18 to 30 VAC	Universal, 10 to 40 VDC, 18 to 30 VAC	Universal, 10 to 40 VDC, 18 to 30 VAC	Universal, 11 to 30 VDC, 18 to 30 VAC
Power consumption	3.3 W	3.5 W	3.5 W	3.5 W	3.9 W (12 VDC) 4.3 W (24 VAC)
Regulatory	UL listed	UL listed	UL listed	UL listed	UL, CUL, FCC, CE

* Outdoor kits use 24 VAC only.

Black-and-White Camera Specifications

	KTC-510	KTC-515	KTC-540E
Image sensor	1/3 in interline transfer Super HAD CCD	1/3 in interline transfer Super HAD CCD	1/3 in interline transfer EXview HAD CCD
Signal system	EIA standard; CCIR optional	EIA standard; CCIR optional	EIA standard; CCIR optional
Pixels	537 H x 597 V (CCIR); 2:1 interlace	811 H x 508 V (EIA) 795 H x 596 V (CCIR); 2:1 interlace	811 H x 508 V (EIA) 795 H x 596 V (CCIR)
Scanning system ³	525/60 lines (EIA) 625/50 lines (CCIR)	525/60 lines (EIA) 625/50 lines (CCIR)	525/60 lines (EIA) 625/50 lines (CCIR)
Synchronization system	Internal/line lock; phase adjustable	Internal/line lock; phase adjustable	Internal/line lock; phase adjustable
Resolution	420 TVL	600 TVL	600 TVL
Sensitivity	0.005 lux (faceplate) 0.05 lux @ f1.2 (SAGC on, 30 IRE)	0.01 lux (faceplate) 0.1 lux @ f1.2 (SAGC on, 30 IRE)	0.001 lux (faceplate); 0.01 lux @ f1.2 (SAGC on, 30 IRE); 0 lux visible light under IR illumination (730 to 110 NM)
Signal-to-noise ratio	> 50 dB	> 50 dB	> 50 dB
Electronic shutter	1/60 to 1/100,000 second, automatic	1/60 to 1/100,000 second, automatic or manually selectable	1/60 to 1/100,000 second, automatic or manually selectable
Gain	Normal AGC/Super AGC	Normal AGC/Super AGC	Normal AGC/Super AGC
Gamma correction	0.45/1.0	0.45/1.0	0.45/1.0
Auto backlight compensation	Off/on	Off/on	Off/on
Video output composite	1.0 V pk-pk at 75 ohm load	1.0 V pk-pk at 75 ohm load	1.0 V pk-pk at 75 ohm load
Power source*	Universal, 10 to 40 VDC, 18 to 30 VAC	Universal, 10 to 40 VDC, 18 to 30 VAC	Universal, 10 to 40 VDC, 18 to 30 VAC
Power consumption	2.0 W	2.0 W	2.0 W

* Outdoor kits use 24 VAC only.

Additional Specifications

Lenses

See individual data sheets for more information.

- 1/3-in. format varifocal lenses
- Large apertures for excellent low light performance
- Modern aspheric lens elements for superb corner-to-corner image sharpness, contrast and color rendition
- DC autoiris

Electrical

- Power consumption: Outdoor kits: 22 W (24 VAC)
Indoor kits: see individual camera information

Housing

See individual data sheets for more information.

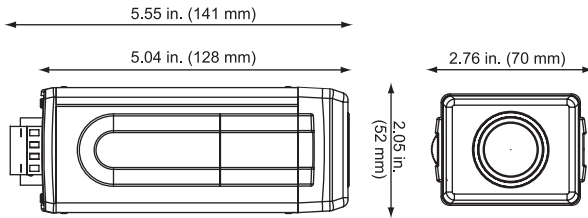
- Constructed of ABS plastic
- Comes with sliding sunshield
- Includes heater and fan
- Usable internal dimensions: 2.953 in x 2.953 in x 10.630 in (75 mm x 75 mm x 270 mm)
- Power supply
 - Heater 24 VAC, 13 W, 550 MA
 - Blower 24 VAC, 4 W, 170 MA

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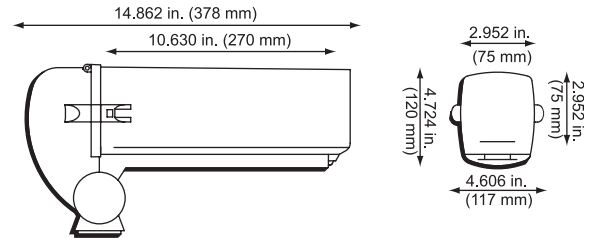
Indoor and Outdoor Camera Kits

Related Diagrams

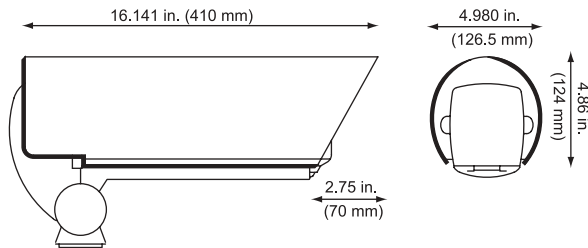
CamPlus dimensions (without lens)



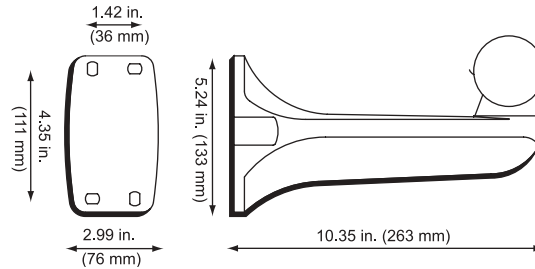
Housing dimensions



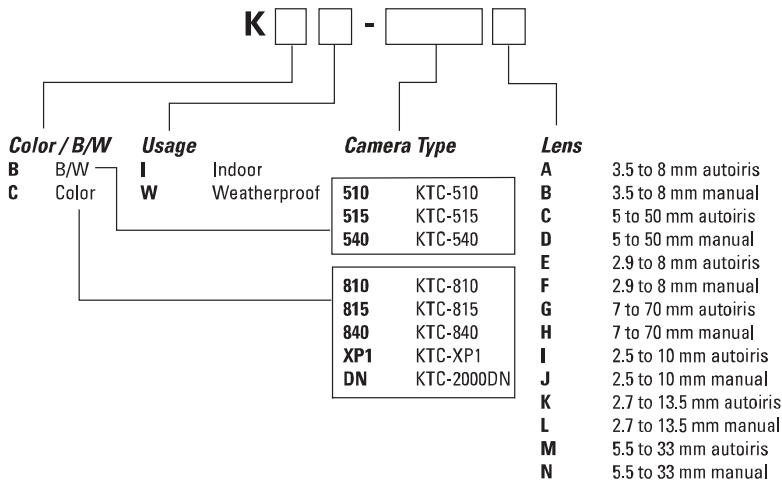
Sunshield dimensions



Bracket dimensions



Ordering Information



Note: The KTE-300 weatherproof housing requires an outdoor power supply unit sold separately.