








# Dinion Cameras Quick Guide



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		General Purpose		High Resolution/High Performance		Day/Night		
		Standard Resolution	High Resolution	1/3" Extended Dynamic Range	1/2" Extended Dynamic Range	1/3" High Resolution	1/3" Extended Dynamic Range	1/2" Extended Dynamic Range
Dinion Cameras:		LTC 0x35 Series 	LTC 0x55 Series 	LTC 0x85 Series 	LTC 0x10 Series 	LTC 0356 	LTC 0495 	LTC 0620 
Imaging Features	Image sensor type	1/3" Interlaced CCD	1/3" Interlaced CCD	1/3" Interlaced CCD	1/2" Interlaced CCD	1/3" Interlaced CCD	1/3" Interlaced CCD	1/2" Interlaced CCD
	Monochrome model	LTC 0335	LTC 0355	LTC 0385	LTC 0510	LTC 0356	n/a	n/a
	Color model	LTC 0435	LTC 0455	LTC 0485	LTC 0610	n/a	LTC 0495	LTC 0620
	Day/Night — NightSense	No	Yes	Yes	Yes	No	No	No
	Day/Night — IR sensitive (removable IR filter)	No	No	No	Yes (LTC 0510) / No (LTC 0610)	Yes	Yes	Yes
	XF-Dynamic — Extended dynamic range	No	No	Yes	Yes	No	Yes	Yes
	SensUp — Enhanced sensitivity	No	No	Yes	Yes	No	Yes	Yes
	Automatic Gain Control (AGC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Backlight Compensation (BLC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Automatic white balance (color models)	Auto/Hold	Auto/Hold	Auto/Hold/Manual	Auto/Hold/Manual	Auto/Hold	Auto/Hold/Manual	Auto/Hold/Manual
	AutoBlack	No	Yes	Yes	Yes	No	Yes	Yes
	Dynamic Noise Reduction (DNR)	No	No	Yes	Yes	No	Yes	Yes
	Video Motion Detection (VMD)	No	No	Yes (Multizone)	Yes (Multizone)	No	Yes (Multizone)	Yes (Multizone)
Cable compensation	No	No	Yes	Yes	No	Yes	Yes	
Resolution	Maximum resolution (color)	330 TVL	540 TVL	540 TVL	540 TVL	n/a	540 TVL	540 TVL
	Maximum resolution (monochrome)	380 TVL	570 TVL	570 TVL	570 TVL	570 TVL	540 TVL	540 TVL
Sensitivity	Color <sup>1</sup>	0.17	0.30	0.24	0.18	n/a	0.24	0.18
	Color w/NightSense or Day/Night <sup>1</sup>	n/a	0.12	0.10	0.08	n/a	0.038	0.024
	Color w/SensUp <sup>1</sup>	n/a	n/a	0.024	0.018	n/a	0.024	0.018
	Monochrome <sup>1</sup>	0.05	0.04	0.031	0.021	0.09	n/a	n/a
	Monochrome w/SensUp <sup>1</sup>	n/a	n/a	0.0031	0.0021	n/a	n/a	n/a
Mechanical	Inputs/Outputs	0/0	0/0	1/1	1/1	0/0	1/1	1/1
	Video Output	BNC	BNC	BNC	BNC	BNC	BNC	BNC
	Video/DC Iris	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Camera Mounting	Top/Bottom, 1/4" 20 UNC	Top/Bottom, 1/4" 20 UNC	Top/Bottom, 1/4" 20 UNC	Top/Bottom, 1/4" 20 UNC	Top/Bottom, 1/4" 20 UNC	Top/Bottom, 1/4" 20 UNC	Top/Bottom, 1/4" 20 UNC
	Lens Mounting	C and CS	C and CS	C and CS	C and CS	C and CS	C and CS	C and CS
Power	12VDC/24 VAC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	120 VAC	Yes	Yes	Yes	Yes	No	Yes	Yes
Installation/Service	Bilinix remote configuration tool	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	On-screen display	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Lens focus wizard	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Warranty	Coverage period	3 years	3 years	3 years	3 years	3 years	3 years	3 years
Pre-packaged Kits	Ready-to-go, factory assembled pre-packaged camera kits include:	INDOOR: KBN-335 (Mono) KBN-435 (Color)	INDOOR: KBN-355 (Mono) KBN-455 (Color)	INDOOR: KBN-385 (Mono) KBN-485 (Color)	INDOOR: KBN-510 (Mono) KBN-610 (Color)	n/a	INDOOR: KBN-495 (Color)	INDOOR: KBN-620 (Color)
	- Lens - Indoor/outdoor housing - Assembled, pre-wired, back-focused	OUTDOOR: KBE-335 (Mono) KBE-435 (Color)	OUTDOOR: KBE-355 (Mono) KBE-455 (Color)	OUTDOOR: KBE-385 (Mono) KBE-485 (Color)	OUTDOOR: KBE-510 (Mono) KBE-610 (Color)		OUTDOOR: KBE-495 (Color)	OUTDOOR: KBE-620 (Color)



<sup>1</sup> F1.2 Lens, 89% scene reflectance, 30 IRE

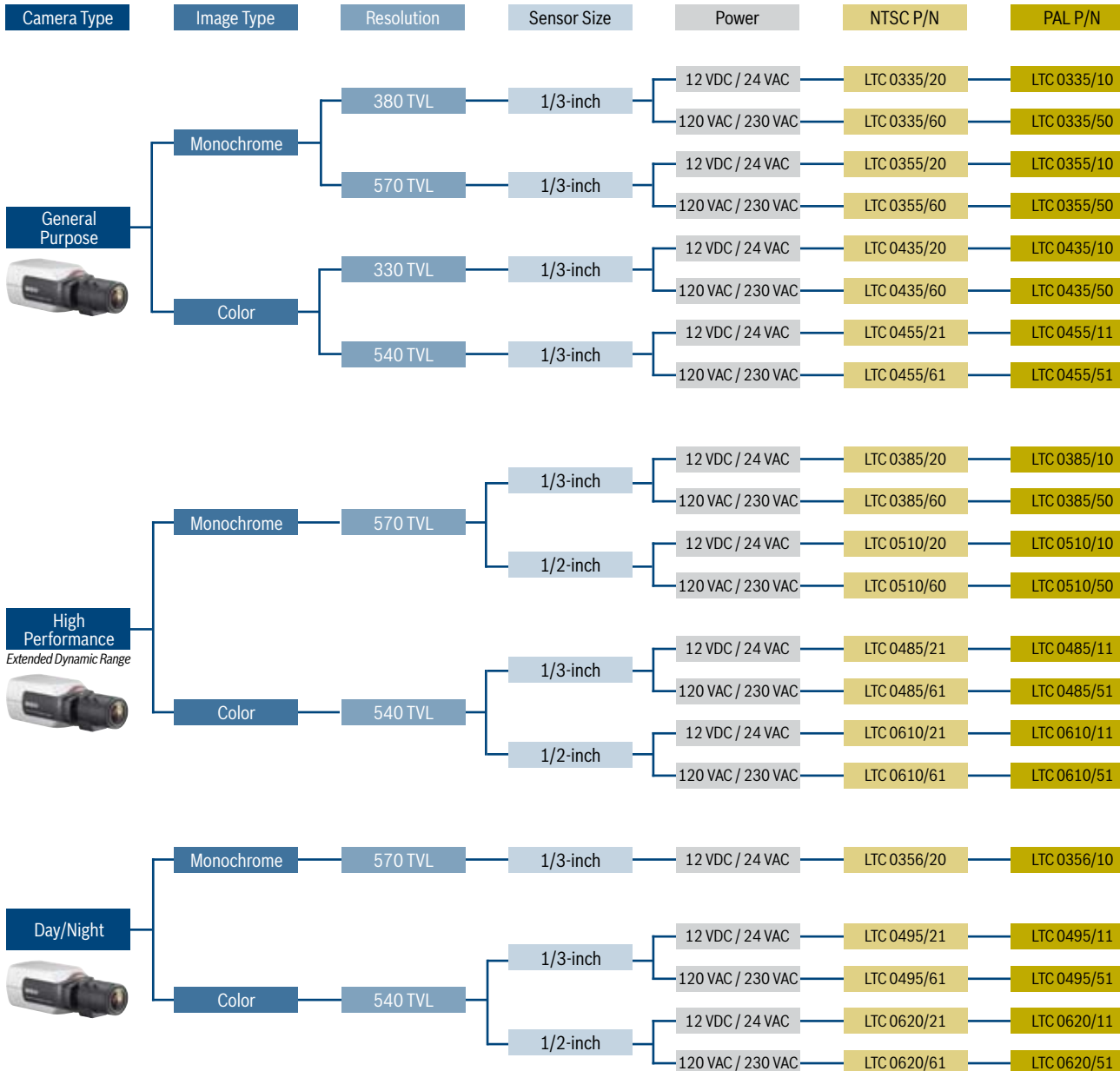
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## Camera Selection Chart



**Dinion**

**Dinion<sup>XF</sup>**

**Dinion  
Day/Night**

**Dinion<sup>XF</sup>  
Day/Night**

## Lenses

### Varifocal, manual iris

LTC 3361/50	1/3-inch 2.8-10.0mm (f/1.4)
LTC 3361/41	1/3-inch 2.8-12.0mm (f/1.4)
LTC 3361/32	1/3-inch 3.0-8.0mm (f/1.4)
LTC 3361/60	1/3-inch 3.5-8.0mm (f/1.4)
LTC 3371/21	1/3-inch 5.0-50.0mm (f/1.4)
LTC 3371/50	1/3-inch 5.0-50.0mm (f/1.4)

### Varifocal, auto-iris

LTC 3364/50	1/3-inch 2.8-10.0mm, AI (f/1.4)
LTC 3364/32	1/3-inch, 3 - 8mm, AI (f/1.0)
LTC 3364/60	1/3-inch 3.5-8.0mm, AI (f/1.4)
LTC 3374/21	1/3-inch 5.0-50.0mm, AI (f/1.4)
LTC 3374/50	1/3-inch 5.0-50.0mm, AI (f/1.7)
LTC 3274/41	1/2-inch 7.5-75.0mm, AI (f/1.7)

### Varifocal, auto-iris (IR Corrected)

LTC 3364/21	1/3-inch 2.8-6.0mm, AI (f/1.4)
LTC 3364/30	1/3-inch 3.0-8.0mm, AI (f/1.0)
LTC 3664/40	1/3-inch 2.8-11.0mm, AI (f/1.4)
LTC 3664/30	1/3-inch 3.0-8.0mm, AI (f/1.0)
LTC 3674/20	1/3-inch 7.5-50.0mm, AI (f/1.3)
LTC 3764/20	1/2-inch 4.0-12.0mm, AI (f/1.2)
LTC 3774/30	1/2-inch 10.0-40.0mm, AI (f/1.4)

### Motorized zoom, auto-iris

LTC 3384/21	1/3-inch 6.0-60.0mm, 10X (f/1.4)
LTC 3283/20	1/2-inch 8.0-48.0mm, 6X (f/1.4)
LTC 3384/21	1/2-inch 6.0-60.0mm, 10X (f/1.4)
LTC 3283/40	1/2-inch 7.5-75.0mm, 10X (f/1.6)
LTC 3283/50	1/2-inch 7.5-75.0mm, 10X, pre-pos (f/1.6)
LTC 3293/20	1/2-inch 8.0-120.0mm, 15X (f/1.6)
LTC 3293/30	1/2-inch 8.0-120.0mm, 15X, pre-pos (f/1.6)
LTC 3293/40	1/2-inch 12.0-240.0mm, 20X (f/1.6)
LTC 3293/50	1/2-inch 12.0-240.0mm, 20X, pre-pos (f/1.6)

### Motorized zoom, auto-iris (IR-corrected)

LTC 3783/21	1/2-inch 8.5-85.0mm, 10X (f/1.6)
LTC 3283/20	1/2-inch 8.0-144.0mm, 18X (f/1.6)