

CCTV LENSES MEGAPIXEL

60x Motorized Zoom 16.7~1000mm

33.4~2000mm with 2x Extender



Day and Night Lens

**HD Resolution
up to 2.0 megapixel**

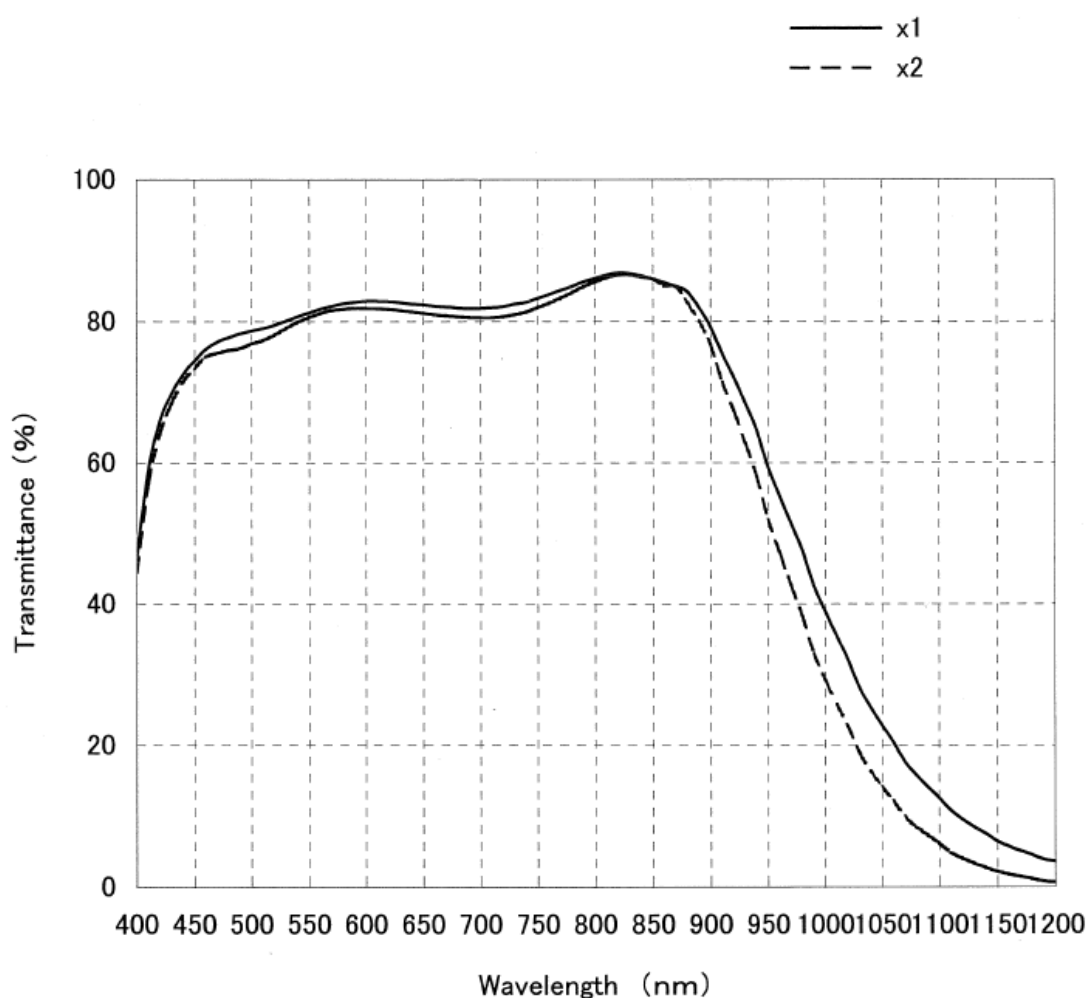
Image Format			1/1.8", 1/2" Day / Night	
Focal Length (mm)			16.7~1000 (60x)	33.4~2000(60x)
Iris range			F3.5~F16	F7.0~F32
Operation	Zoom		Motor drive	
	Focus		Motor drive	
	Iris		Auto (DC Type)	
Angle of View (HxV) (4:3) mm	1/1.8"	Wide	23.4 x 17.40	11.45 x 8.53
		Tele	0.25 x 0.19	0.12 x 0.9
	1/2"	Wide	20.51 x 15.54	10.34 x 7.58
		Tele	0.22 x 0.17	0.11 x 0.8
Angle of View (HxV) (16:9) mm	1/1.8"	Wide	24.53 x 14.34	12.45 x 7.17
		Tele	0.27 x 0.15	0.14 x 0.8
	1/2"	Wide	22.33 x 13.5	11.28 x 6.32
		Tele	0.24 x 0.14	0.12 x 0.7
Object Dimensions at M.O.D. (HxV) (4:3) (mm)	1/1.8"	Wide	1972 x 1503	995 x 27
		Tele	35x 27	18 x 13
	1/2"	Wide	1780 x 1351	895 x 675
		Tele	32 x 24	16 x 12
Object Dimensions at M.O.D. (HxV) (16:9) (mm)	1/1.8"	Wide	2133 x 1236	1081 x 616
		Tele	38x22	19 x 11
	1/2"	Wide	1929 x 1110	972 x 553
		Tele	34 x 20	17 x 10
Back Focal			24.92mm in air	
Exit Focal Position			-573mm (from image plane)	
Filter Thread			M112x0.75	
Mount			C	
Extender			2x	
Mechanical Size			377(L) 154(W) 137(H)mm	
Weight (kg)			Aprox 6.3 kg	
Standard accessories			Iris control cable	

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- This version of the lens include a build-in remote controlable filter system. You can switch between 4 positions: clear, 2 ND filters and visible light cut (= "Fog Filter").
- Optically corrected 60x precision focal zoom lens, best suited for Day and Night cameras.
- Brightness F3.5 and telephoto of 2000mm, best suited for long range surveillance including harbor surveillance.
- Multiple power sources supported, can use existing control systems.
- Built-in potentiometer, supporting preset.
- Remote function is added to auto iris, supporting precise light adjustment.



Spectral Response Curve

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Lens calculations (1/2" ccd)

Focal Length 16.7 - 1000mm

Zoom	Focal length	Distance to object	angle	Scene width
X60	16,7-1000mm	1 Km	0,37°	6,5 m
X60	16,7-1000mm	5 Km	0,37°	32,5 m
X60	16,7-1000mm	10 Km	0,37°	65 m
X60	16,7-1000mm	20 Km	0,37°	130 m
X60	16,7-1000mm	30 Km	0,37°	195 m

Focal Length 33.4 - 2000mm with 2x extender

Zoom	Focal length	Distance to object	angle	Scene width
X60	16,7-1000mm, 2x ext 33,4-2000mm	1 Km	0,19°	3,25 m
X60	16,7-1000mm, 2x ext 33,4-2000mm	5 Km	0,19°	16,25 m
X60	16,7-1000mm, 2x ext 33,4-2000mm	10 Km	0,19°	32,5 m
X60	16,7-1000mm, 2x ext 33,4-2000mm	20 Km	0,19°	65 m
X60	16,7-1000mm, 2x ext 33,4-2000mm	30 Km	0,19°	97,5 m