

Product Description

These full-size 1/2" LXR CCD cameras are high performance, LXR extended-infrared board models designed for use in covert, night-time or extreme light conditions.

LXR is the shortened acronym for the **ELIXIR** chip:
Enhanced Light Integrity for Extended Infra-Red.

The "F800" Series cameras have low smear characteristics made possible by their wide dynamic range. Excellent bright light performance allows for use without mechanical auto-iris lenses. Models include:

- FSX800** → Mono / IR model for superb performance under infrared illumination
- FCX800** → Color model with an IR-cut filter for superb color-only performance with low-smear, wide-dynamic performance.
- FCZ800** → Color / IR model with a dual-pass filter for color-by-day performance and IR-mode operation by night.

Note: C/CS Mounts Only – Lens not included

Specifications
Product Image


FSX800
with 1/2" Fixed Lens



FCX800
with 1/2" Auto-Iris
Varifocal Lens



FCZ800
with 1/2" Auto-Iris
Varifocal Lens

Model	FSX800 Series	FCX800 Series	FCZ800 Series
LXR 1/2" CCD	Standard	Standard	Standard
Mono / Color / IR	Mono / IR	Color only	Dual pass Color / IR
TV System	EIA (CCIR available)	NTSC (PAL available)	NTSC (PAL available)
Image Sensor	1/2" Interline LXR	1/2" Interline LXR	1/2" Interline LXR
Video Signal Output	1 V p-p, 75 ohm	1 V p-p, 75 ohm	1 V p-p, 75 ohm
CCD Effective Pixels	811 (H) x 508 (V) - EIA	811 (H) x 508 (V) - NTSC	811 (H) x 508 (V) - NTSC
Sync System	Internal / Line lock sync. option	Internal / Line lock sync. option	Internal / Line lock sync. option
Min. Illumination	0.01 lux @ F1.2 0.02 (30 IRE, SAGC on)	0.1 lux @ F1.2 0.2 (30 IRE, SAGC on)	0.1 lux @ F1.2 0.2 (30 IRE, SAGC on)
IR Sensitivity	Up to 1100nm	N/A	Zero (0) lux from 780nm - 1100nm
Resolution	600 TVL	480 TVL	480 TVL
S/N Ratio	> 48 dB	> 48 dB	> 48 dB
Shutter (3 modes)	1) 1/60 to 1/100,000 electronic shutter (EIA) 2) Auto-iris 3) Auto-iris with manual shutter		
Gamma Correction	0.45 / 1	0.45 / 1	0.45 / 1
Backlight Compensation	Auto Detect On/Off; Histogram plus 225 area window weight		
Gain Control	30 dB or 36 dB AGC selectable	30 dB or 36 dB AGC selectable	30 dB or 36 dB AGC selectable
Operational Range	-10°C to + 50°C (14°F to 122°F)	-10°C to + 50°C (14°F to 122°F)	-10°C to + 50°C (14°F to 122°F)
Humidity Range	Up to 85% RH	Up to 85% RH	Up to 85% RH
Power Supply	5.0 W max: 12 VDC or 24 VAC	5.0 W max: 12 VDC or 24 VAC	5.0 W max: 12 VDC or 24 VAC
Lens (optional)	C/CS-mount, auto iris lens in video or DC-drive	C/CS-mount, auto iris lens in video or DC-drive	C/CS-mount, auto iris lens in video or DC-drive
Dimensions	57mm (W) x 56mm (H) x 110mm (L) 2.2" (W) x 2.2" (H) x 4.3" (L)	57mm (W) x 56mm (H) x 110mm (L) 2.2" (W) x 2.2" (H) x 4.3" (L)	57mm (W) x 56mm (H) x 110mm (L) 2.2" (W) x 2.2" (H) x 4.3" (L)
Weight	13 oz (360 g)	13 oz (360 g)	13 oz (360 g)

Dealer / Distributor



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