

### Product Description

These full-size 1/3" LXR CCD cameras are high performance, LXR extended-infrared board models designed for use in covert, night-time or extreme light conditions. It is 2 times more sensitive in visible light than conventional cameras. Its low light capability rivals that of other high-performance cameras with military spec performance, but its performance at 700 nm to 1100 nm wavelengths set these cameras apart from others.

**LXR** is the shortened acronym for the **ELIXIR** chip: **Enhanced Light Integrity for Extended Infra-Red**. This new generation CCD marks a quantum advance in photopic response, IR response and dynamic range.



FSX400



FCX400



FCZ400

### Specifications

Model	FSX400	FCX400	FCZ400
LXR 1/3" CCD	Standard	Standard	Standard
TV System	EIA (CCIR available)	NTSC (PAL available)	NTSC (PAL available)
Mono IR / Color	Mono IR	Color only	Dual pass Color / IR
Image Sensor	1/3" Interline Transfer LXR CCD	1/3" Interline Transfer LXR CCD	1/3" Interline Transfer LXR CCD
Video Signal Output	1 V p-p, 75 ohm	1 V p-p, 75 ohm	1 V p-p, 75 ohm
CCD Effective Pixels	537 (H) x 508 (V) – EIA 537 (H) x 596 (V) - CCIR	542 (H) x 492 (V) – NTSC 542 (H) x 582 (V) – PAL	542 (H) x 492 (V) – NTSC 542 (H) x 582 (V) – PAL
Sync. System	DC: Internal, AC Line-Lock	DC: Internal, AC Line-Lock	DC: Internal, AC Line-Lock
Min. Illumination	0.01 lux @ F1.2 (SAGC ON)	0.1 lux @ F1.2 (SAGC ON)	0.1 lux @ F1.2 (SAGC ON)
Resolution	420 TVL	380 TVL	380 TVL
S/N Ratio	> 48 dB	> 48 dB	> 48 dB
Electronic Shutter	1/60 to 1/100,000 – EIA 1/50- to 1/100,000 – CCIR	1/60 to 1/100,000 – NTSC 1/50- to 1/100,000 – PAL	1/60 to 1/100,000 – NTSC 1/50- to 1/100,000 – PAL
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	AGC 30 dB; SAGC 36 dB	AGC 30 dB; SAGC 36 dB	AGC 30 dB; SAGC 36 dB
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% relative humidity	Up to 85% relative humidity	Up to 85% relative humidity
Power Supply	12 VDC and 24 VAC	12 VDC and 24 VAC	12 VDC and 24 VAC
Power Draw	3.0 W @ 12 VDC 4.5W @ 24 VAC	3.5 W @ 12 VDC 5.0 W @ 24 VAC	3.5 W @ 12 VDC 5.0 W @ 24 VAC
Lens (standard)	C/CS Mount Lenses	C/CS Mount Lenses	C/CS Mount Lenses
Lens (available)	DC / Video Drive Lenses	DC / Video Drive Lenses	DC / Video Drive Lenses
Dimensions	57 mm (W) x 52 mm (H) x 110 mm (L) (2.2" x 2.0" x 4.3")	57mm (W) x 52mm (H) x 110mm (L) 2.2" (W) x 2.0" (H) x 4.3" (L)	57mm (W) x 52mm (H) x 110mm (L) 2.2" (W) x 2.0" (H) x 4.3" (L)
Weight	13 oz (360 g)	13 oz (360 g)	13 oz (360 g)

Dealer / Distributor



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