

### Key Features

- Mechanical filter technology for exceptional daytime color and outstanding night-time sensitivity to IR
- 1/2" LXR CCD for Extended IR Range Performance
- IR-Cut and IR-pass filters for optimised performance during day and night
- Outstanding spectral response to infrared from 700nm to 1100nm for zero lux effectiveness under IR
- No IR bleed or focus shift
- 225 area auto detect backlight compensation for properly exposed images under uneven lighting conditions
- Day-time color and night-time IR monochrome modes
- Voltage regulated and power protected
- On-Screen Display (OSD) menus for ease of use
- Auxiliary BNC output compatible with portable LCD monitors for faster installations

### Product Description

The FMX800 is a full size camera that incorporates Extreme CCTV's Mechanical Filter technology for exceptional performance during both the day and the night.

Extreme's Mechanical Filter technology ensures outstanding surveillance imaging and reduces the problems of focus shift and IR bleed. An IR-cut filter allows brilliant color performance during the day. At night, an IR-pass filter optimises infrared spectral response for exceptional night vision capability. The result is a dual-mode day/night camera that delivers incredible picture quality in daytime color and night-time infrared.

### LXR Extended Range CCD

The FMX800 uses Extreme's proprietary LXR type CCDs for excellent spectral response across a wide range of wavelengths. The LXR chip is engineered for performance in day and dark conditions and is therefore especially sensitive to near-infrared light. Night-time video images exhibit low smear, low streak and excellent anti-blooming characteristics. Combined with infrared illumination, LXR CCDs deliver the most advanced night vision performance available today.

### Product Image



**Above ↑:** The FMX800 delivers 24/7 functionality. Mechanical Filter technology combined with an extended range LXR CCD ensures outstanding color performance during the day and excellent IR sensitivity at night.



### Conventional camera:

Video taken without Mechanical Filter technology suffers from IR bleed and poor color quality.



### Mechanical Filter Technology:

The same scene shows excellent color performance under Extreme's Mechanical Filter technology.

Dealer / Distributor



#### Specifications

Horizontal resolution	500 lines color imaging 540 lines B/W imaging
Image Sensor	1/2" Interline Transfer LXR CCD
Scanning System	525 lines interlaced (NTSC) 625 lines interlaced (PAL)
Mechanical Filter	Dual window, IR-Cut and IR Pass
Picture Elements	NTSC: 811(H) x 508(V) PAL: 795(H) x 596 (V)
Output Signal	1V p-p @ 75 ohm
Minimum Illumination	Zero Lux under IR Illumination Color: 0.1Lux at F1.2 B/W: 0.05 Lux at F1.2
Signal to Noise Ratio	Better than 50dB
Gamma Correction	0.1 – 1.0, Y'C gamma curve selectable
Aperture Correction	H aperture and V aperture-gain adjustable
Lens Mount	C & CS Mount
Power Consumption	DC: 4.8W AC: 6.0W
Power source	DC: 12V AC: 24V/ DC 12V AC 85 – 265V
OSD (On Screen Display)	11 functions via push button panel
Auto Iris Lens	Accepts video or DC drive iris lens
Dimensions	71(L) x 52(W) x 128(H)mm
Operational Temperature	-10°C to +50°C
BLC	225 area auto detect
Remote Control	RS232C

#### Available Lenses

**Fixed Lenses:** 4.0 mm – 16.0mm available

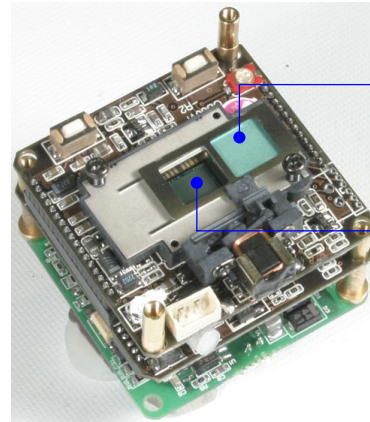
**Varifocal Lenses:**

LCV4510 1/2", 4.5mm – 10.0mm  
LCV6013 1/2", 6.0mm – 13.0mm

**Varifocal, Auto-Iris Lenses:**

LCVA6013 1/2", 6.0mm – 13mm, F1.6  
LCVA6012 1/2", 6.0mm – 12mm, Video-Drive  
LCVA8551 1/2", 8.5mm – 51mm, Video-Drive  
LCVA1040 1/2", 10mm-40mm, IR-corrected

#### Mechanical Filter Technology



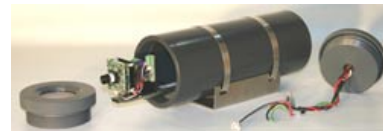
**Day:** IR-cut filter delivers accurate color by filtering IR light

**Night:** IR-pass filter allows optimal performance in dark

#### Available in:



EX62 and EX63 Series  
Explosion Protected  
Cameras



EX15 Chemically  
Resistant Submersible  
Camera



EX28 All Weather  
Insulated Camera

Dealer / Distributor



Corporate Headquarters  
**Extreme CCTV Inc**  
TF: 1 888 409 2288  
T: +1 604 420 7711  
F: +1 604 420 3300  
E: Sales@ExtremeCCTV.com  
www.ExtremeCCTV.com



European Operation  
**Derwent Systems Ltd**  
A Division of Extreme CCTV (UK) Ltd  
T: +44 (0) 1670 730 187  
F: +44 (0) 1670 730 188  
E: SalesUK@DerwentCCTV.com  
www.DerwentCCTV.com