

# FireStorm™

DIGITAL MOTION PICTURE RECORDER



**SHARPER  
FASTER  
MORE  
POWERFUL**

Introducing the Firestorm, a new generation of lower cost, higher speed digital film recorder from CELCO the world leader in digital film recording technology. The Firestorm utilizes CELCO's new XCRT Advanced Imaging Technology allowing for unmatched image quality at lightning speed. Nothing but the CELCO FURY can beat the Price-Performance of the new Firestorm recorder.

**XCRT**  
Advanced Imaging  
Technology

# TECHNICAL SPECIFICATIONS

## SUPPORTED FILM STOCKS

- FUJICOLOR INTERMEDIATE FILM F-CI 8502/8602
- FUJICOLOR NEGATIVE FILM F-64D 8522/8622
- FUJICOLOR NEGATIVE FILM F-125 8532/8632
- FUJICOLOR NEGATIVE FILM F-250 8552/8652
- FUJICOLOR NEGATIVE FILM F-250D 8562/8662
- EASTMAN COLOR INTERMEDIATE EXR 2242/5242
- EASTMAN COLOR NEGATIVE EXR 50D 5245
- EASTMAN COLOR NEGATIVE EXR 100T 5248
- EASTMAN COLOR NEGATIVE EXR 200T 5293
- KODAK VISION 200T, 250D, 320T
- EASTMAN BLACK AND WHITE PLUS-X 5231
- EASTMAN FINE GRAIN DUPLICATING 5234 PANCHROMATIC NEGATIVE
- EASTMAN HIGH CONTRAST 5369

## SUPPORTED IMAGE FORMATS

- 16MM
- 16MM SUPER 16
- 35MM FULL SCREEN
- 35MM ACADEMY OFFSET
- 35MM STANDARD 1.66
- 35MM HIGH DEFINITION 1.78
- 35MM STANDARD 1.85
- 35MM CINEMASCOPE
- 35MM 8-PERF VISTA VISION
- 65MM 5-PERF
- 65MM 8-PERF
- 65MM 15-PERF IMAX

## SUPPORTED RESOLUTIONS

ALL RESOLUTIONS INCLUDING:

- NTSC AND PAL VIDEO
- HIGH DEFINITION 1920 X 1080
- 2K, 3K, 4K, 8K
- ANY USER-DEFINED CUSTOMIZED RESOLUTION UP TO 8K

## SUPPORTED FILE FORMATS

.ALS, .BMP, .CIN, .DPX, .JBT, .JFIF, .JPEG, .PCT, .PIC, .PICT, .RGA, .RGB, .RLA, .SHT, .SGI, .TIF, .TIFF, .TGA, .YUV

## OPERATING SOFTWARE

CELCO EXTREME COMMAND LINE & GRAPHICAL USER INTERFACE INCLUDES CALIBRATION TOOLS

## DIGITAL INTERFACE

HIGH SPEED SYNCHRONOUS PCI BUS

## HOST COMPUTER

SILICON GRAPHICS FUEL - IRIX OS

## 35MM RECORDING SPEED

2.5 SECONDS PER FRAME

## 65MM RECORDING SPEED

15 SECONDS PER FRAME (15-PERF 4K 5245)

## REPEATABILITY

>99.97%

## STEADINESS

>99.99%

## 35MM UNIFORMITY

>97% FLAT FIELD AT LAD

## 35MM CINE PIXEL SIZE

- 35MM 4K CINE RESOLUTION 6 MICRON TYPICAL
- 35MM 2K CINE RESOLUTION 12 MICRON TYPICAL

## COLOR RESOLUTION

36 BITS

## WEIGHT

305 LBS.

## DIMENSIONS

41" H X 18.5" W X 21" D

(NOT INCLUDING FILM TRANSPORT)

## FILM MAGAZINE CAPACITY

1000 FT. (OPTIONAL 2000 FT.)

## TEMPERATURE REQUIREMENTS

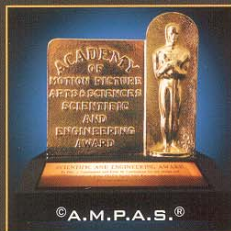
15°C TO 28°C WITH NO MORE THAN 5°C CHANGE PER HOUR

## HUMIDITY

20% TO 75% NON-CONDENSING

## POWER

120V, 60HZ, 5A, NEMA 5-15R  
220V / 240V, 50HZ, 3A



On March 2, 2002 CELCO Engineers Paul J. Constantine and Peter M. Constantine received Scientific and Engineering Awards from the Academy of Motion Picture Arts and Sciences for the design and development of the CELCO Digital Film Recorder Products. The Academy cited CELCO film recorder products have had a significant impact on the industry through continual improvements in their technology. The Firestorm is a continuation of CELCO's advancement of their proven, award-winning electron beam control technology for transferring digital images to motion picture film with perfection.



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