



See the Specs. Meet the family up close.



Flip MinoHD

Flip Mino

Flip UltraHD

Flip Ultra

**Top Level Details**

|                         |                 |                |                |                              |
|-------------------------|-----------------|----------------|----------------|------------------------------|
| <b>Recording Time*</b>  | 60 min          |                | 120 min        |                              |
| <b>Internal Memory</b>  | 4GB             | 2GB            | 8GB            | 4GB                          |
| <b>Designable</b>       | Yes             |                | No             |                              |
| <b>Available colors</b> | (Chrome, Black) | (White, Black) | (White, Black) | (White, Black, Yellow, Pink) |

**LCD Screen**

|                   |   |                 |
|-------------------|---|-----------------|
| <b>Size</b>       | 1.5" (diagonal)                         | 2.0" (diagonal) |
| <b>Resolution</b> | 528 x 132                               | 960x240         |
| <b>Type</b>       | Transflective TFT (for bright daylight) |                 |

**Video Quality and Performance**

|                                   |  |  |   |  |
|-----------------------------------|--|--|---|--|
| <b>Resolution</b>                 | 1280 x 720   | 640 x 480  | 1280x720  | 640 x 480  |
| <b>Sensor</b>                     | 1/4.5" HD CMOS Sensor<br>2.2µm pixels  | 1/4" VGA CMOS Sensor<br>5.6µm pixels                                     | 1/4.5" HD CMOS Sensor<br>2.2µm pixels   | 1/4" VGA CMOS Sensor<br>5.6µm pixels                                     |
| <b>Light Sensitivity</b>          | Ultra low-light sensitivity (>1.4 V/lux-sec) with automatic low light detection                                      | Very high sensitivity (>2.0V/lux-sec) with automatic low light detection | Ultra low-light sensitivity (>1.4 V/lux-sec) with automatic low light detection | Very high sensitivity (>2.0V/lux-sec) with automatic low light detection |
| <b>Video Compression</b>          | Flip Video Engine 3.0  | Flip Video Engine 2.5  | Flip Video Engine 3.5   |  |
| <b>Frame Rate</b>                 | 30 frames per second (constant frame rate, progressive scan)   |  |   |  |
| <b>Average Bitrate</b>            | "9.0Mbps (auto-adaptive algorithm)"  | 4.0Mbps (auto-adaptive algorithm)  | 9.0Mbps (auto-adaptive algorithm)   | 4.0 Mbps (Variable)  |
| <b>Video Format</b>               | H.264 video compression, AAC audio compression, MP4 file format  | Advanced Profile MPEG-4 AVI  | H.264 video compression, AAC audio compression, MP4 file format                 |  |
| <b>White Balance and Exposure</b> | Automatic white balance and black level calibration<br>Automatic exposure control with dynamic exposure compensation |  |   |  |

**Optics**

|                  |   |                              |                                |                                |
|------------------|---|------------------------------|--------------------------------|--------------------------------|
| <b>Lens Type</b> | Fixed Focus (1.5m to infinity)                                | Fixed Focus (1m to infinity) | Fixed Focus (1.5m to infinity) | Fixed Focus (0.8m to infinity) |
| <b>Aperture</b>  | f/2.4 (fast lens for great results in low-light environments) |                              |                                |                                |
| <b>Zoom</b>      | Smooth multi-step 2x digital                                  |                              |                                |                                |

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| Battery     |  |                                      |  |   |
|-------------|--|--------------------------------------|--|---|
| Type        | Internal Lithium-Ion Rechargeable**                                      | Internal Lithium-Ion Rechargeable**  | Flip Video AA rechargeable battery pack (1.2 Volt NiMH rechargeable). Rechargeable through USB                               | 2 AA Batteries or optional Flip Video AA rechargeable battery pack (1.2 Volt NiMH rechargeable). Rechargeable through USB |
| Life        | Up to 2 hours of use between charges                                     | Up to 4 hours of use between charges | Up to 2.5 hours of use between charges using included Flip Video AA rechargeable Battery Pack***                             | Up to 4.5 hours of use between charges using Flip Video AA rechargeable Battery Pack***                                   |
| Charge Time | Via computer USB port - approx 3 hrs<br>Via Power Adapter - approx 2 hrs |                                      | Using Flip Video AA rechargeable Battery Pack:<br>Via computer USB port - approx 6 hrs<br>Via Power Adapter - approx 3.5 hrs |   |

| Camcorder Functions          |                                    |                    |
|------------------------------|------------------------------------|--------------------|
| Interface                    | Touch-sensitive capacitive buttons | Easy-press buttons |
| Power-up Time                | Less than 4 seconds                |                    |
| Power Saver (Auto Shut-Down) | Yes                                |                    |
| Play All Function            | Yes                                |                    |
| Pause, FF/Rewind             | Yes                                |                    |
| Set Date/Time Function       | Yes                                |                    |

| Additional Specifications |   |    |                               |
|---------------------------|---|----|-------------------------------|
| Dimensions (H x W x D)    | 3.94" x 1.97" x 0.63"                           |    | 4.25" x 2.19" x 1.17"         |
| Weight                    | 3.3oz   |    | 6.0 oz                        |
| PC Connection             | Built-in flip-out USB arm (up to USB 2.0 speed) |    |                               |
| Speaker                   | Built-in speaker                                |    |                               |
| Microphone                | Built-in, wide-range, omni-directional          |    |                               |
| TV-Out                    | NTSC (cable included)                           |    | HDMI<br>NTSC (cable included) |
| HDMI Output               | No  | No | Yes<br>No                     |
| Tripod Mount              | Yes   |    |                               |

| Built-in Software            |  |  |  |  |
|------------------------------|--|--|--|--|
| Minimum Requirements Windows | 3.0 GHz Intel Pentium 4 or faster processor, Windows XP SP2 with 512 MB of RAM or Vista with 1 GB of RAM, and USB 2.0 port | 2.0 GHz Intel Pentium 4 or faster processor, Windows XP SP2 with 512 MB of RAM or Vista with 1 GB of RAM, and USB 2.0 port | 3.0 GHz Intel Pentium 4 or faster processor, Windows XP SP2 with 512 MB of RAM or Vista with 1 GB of RAM, and USB 2.0 port | 2.0 GHz Intel Pentium 4 or faster processor, Windows XP SP2 with 512 MB of RAM or Vista with 1 GB of RAM, and USB 2.0 port |
| Minimum Requirements Mac     | 1.66 GHz Intel Core Duo or faster processor, 1 GB of RAM, OS X Tiger 10.4 or Leopard 10.5, and USB 2.0 port                | 1.0 GHz PowerPC G4, Intel Core or faster processor, 512 MB of RAM, OS X Tiger 10.4 or Leopard 10.5, and USB 2.0 port       | 1.66 GHz Intel Core Duo or faster processor, 1 GB of RAM, OS X Tiger 10.4 or Leopard 10.5, and USB 2.0 port                | 1.0 GHz PowerPC G4, Intel Core or faster processor, 512 MB of RAM, OS X Tiger 10.4 or Leopard 10.5, and USB 2.0 port       |
| Online Sharing               | Unlimited private video emails or video greeting cards.<br>Direct Upload to MySpace and YouTube                            |  |  |  |
| Video Editing                | Video trim - set start and end points.<br>Create movies with multiple video clips - add titles, music and credits.         |  |  |  |
| Still Photo                  | Snap still photos from video   |  |  |  |
| Software Update              | Automatic and on-demand online updates   |  |  |  |

| Accessories       |   |                                   |  |   |
|-------------------|---|-----------------------------------|--|---|
| Included in Box   | TV cable, wrist strap, soft carrying case, quickstart guide |                                   | Flip Video AA rechargeable battery pack, wrist strap, soft carrying case, quickstart guide | 2x AA alkaline batteries, TV cable, wrist strap, soft carrying case, quickstart guide |
| Quick Start Guide | <a href="#">Click to download</a>                           | <a href="#">Click to download</a> | <a href="#">Click to download</a>  | <a href="#">Click to download</a>   |

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| <b>Accessories (continue)</b> |                            |   |    |
|-------------------------------|----------------------------|---|----|
| <b>Soft Pouch</b>             | Yes (Black, Silver)        |   |    |
| <b>Wool Pouch</b>             | Yes (Purple, Grey, Orange) | No  | No |
| <b>USB Cables</b>             | Yes                        |   |    |
| <b>HDMI Cables</b>            | No                         | Yes                                       | No |
| <b>Power Adapter</b>          | Yes                        | Yes - with use of Flip Video Battery Pack |    |
| <b>Battery Pack</b>           | No                         | Yes                                       |    |

\* Recording time varies slightly based on recorded content

\*\* Battery replacement only available through Flip Video Support

\*\*\* Battery life may vary depending on batteries and use pattern

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