

**New 2.5-inch Widescreen LCD
for digital photographers who
want more than a thumbnail image**



Finecam L4v



Finecam L3v



Kyocera Finecam L3v/L4v with Widescreen 2.5" LCD

Kyocera innovation brings another World's First to digital photography with the introduction of the Finecam L3v (3.2 megapixel) and L4v (4 megapixel) digital cameras. Each model offers a new and incredible 2.5-inch Widescreen LCD viewfinder for the largest, clearest view of the picture you are about to capture or review. These are among the largest LCD monitors currently available on a consumer digital camera. It's like having your own home theatre display in your digital camera.

Kyocera (the company that brought state-of-the-art technology to wireless handsets and Mita office products) developed the "DayFine" technology that uses external light to enhance the image on the 2.5-inch LCD. Compared to typical digital camera LCD's, it's like having Home Theatre in your digital camera! The "DayFine" LCD is manufactured by Kyocera to surpass the performance currently available in any competitive model. The "Dual Backlight" design incorporates a newly developed special optical film to increase the transmission of light from the LCD. In addition, ambient light is used to increase the intensity of the image displayed on the LCD. This increases the brilliance and contrast even under the brightest outdoor conditions.

Compact in size, both cameras are also very lightweight at 6 ounces each so you can take them along anywhere, anytime. But don't let their small size fool you, as they are packed with lots of great built-in features. Each camera has a sophisticated 3X optical zoom lens (5.8-17.4mm, equivalent to 38~115mm) + digital zoom (4x on L4v, total of 12x; 2x on the L3v, total of 6x). A built-in lens cover helps protect the lens. There is also full flash control including Auto Flash, Red-Eye Reduction, Fill Flash, Flash-off and Red Eye Reduction with Night Portrait. Included is a Movie Mode with sound recording capability, AVI format. In addition, you can add a voice memo to any of your images.

A unique feature of the L3v and L4v is the "Picture Confirmation Light" that lets the subject know when their image is about to be captured. A customized startup screen is another sophisticated feature found on both models. Similar to a desktop, the user can view their favorite image when the camera is first turned on. And the top mounted, easy-to-use "Command Selector Dial" (CSD) allows you to easily change from Camera, Playback, AVI Movie or Set-Up modes. The ergonomically designed keypad and selection feature buttons are positioned for easy use.

The date may be easily inserted (or later removed) into any of your images for easy reminder of capture. There are also four selectable menu colors plus a "Battery Conservation Power Save" option that allows you to choose the time in which the camera remains active before automatically shutting off.

Another important feature is the built-in "Image Resizing Mode" (IRM). This extremely flexible feature allows you to keep your original image while resizing the same image into a separate folder for easy emailing to family and friends. Other key features include:

- Metal Body Covers
- 2/10 Second Self Timer
- Exposure Compensation
- 5 White Balance Modes
- Color/B&W/Sepia Modes
- Chroma/Sharpness Settings
- Program/Aperture Priority Modes
- 3 Focusing Modes (Spot/Wide/Manual Focus)
- Long Exposures (up to 8 seconds)
- Auto/Manual Selectable ISO (80/160/320)
- Metering Areas (Evaluative/Center/Spot)

Images are stored on Multimedia Cards (MMC) or Secure Digital (SD) Cards using JPEG compression to maximize the number of stored images per card. The L3v and L4v offer Fine and Normal image quality settings, while four still picture and two movie resolutions may be set independently.

Both cameras feature Epson's revolutionary new PRINT Image Matching (PIM) technology, enabling them to work perfectly with the newest generation of Epson Stylus Photo Printers. With PRINT Image Matching, critical image specific parameters for printing are recorded by the camera and saved in each image data file. PRINT Image Matching-enabled Epson Stylus Photo printers use this information to ensure that they accurately reproduce the image created by the camera.

The L3v and L4v are both powered by a CR-V3 lithium battery that can provide up to a very impressive 3+ hours battery life. To make the cameras even friendlier, two rechargeable Ni-MH AA batteries (optional) may be used instead of the lithium battery.

To make the L3v and L4v a long lasting member of your family, the cameras have been crafted from metal external panels providing durability for many years to come.

	L3v	L4v
Type	Large viewfinder digital still camera with record / playback / erase	
Recording Media / Method	SD Memory Card / Multi-media Card (MMC) DCF compliant	
Effective Pixels	3.2 Megapixels	4.0 Megapixels
Image Capture Device	CCD, 1/2.7" square pixel interlaced readout system, 3,340,000 gross pixels	CCD, 1/2.5" square pixel interlaced readout system, 4,230,000 gross pixels
Image dimensions in pixels (Still images)	2048 x 1536 1280 x 960	1600 x 1200 640 x 480
Image dimensions in pixels (Motion images)	320 x 240 160 x 120	2304 x 1728 1280 x 960
Image Quality	Fine (F), Normal (N)	
Optical System	3 X Optical Zoom	
Focal Length:	5.8 ~17.4mm (Equivalent to 38~115mm lens)	
f/stops:	f/2.8~4.7	
Digital Zoom:	X1.3, 1.6, 2.0	
Focusing Range (Measured from front lens surface)	About 0.6m ~ infinity (All zoom range) Macro mode: About 20cm~60cm (fixed at wide angle shutter position)	
Shutter	CCD electronic shutter and programmed electronic shutter with independent aperture control (1 sec. ~ 1/2000 sec., 2 sec., 4 sec, 8 sec.)	
Exposure Control	Programmed AE, Aperture Priority, Long Exposure Mode	
Control Method	+/-2EV in 1/3 Steps	
Exposure Compensation	Automatic or manual setting to f/2.8 or f/7.5	
Aperture Control		
White Balance	Automatic, Manual, (Preset, Bright sun, Incandescent lamp, Cloudy weather and Fluorescent)	
Color Mode	Color, B/W, Sepia	
Sharpness	+3 ~ -1 (5 Steps)	
Chroma	(3 steps)	
Finder	True-image zoom viewfinder Field of view ratio: 80% or more (within 39 inches) Magnification: approx 0.3x (wide angle) to approx. 0.8x (telephoto)	
Flash	Built-in Flash, recycling time about 8 seconds (on new battery, at room temp, based on Kyocera testing standards)	
Effective range	About 0.6-2.5M (zoom set at wide)	
Flash Modes	1. Auto-flash; 2. Red-eye reduction auto-flash; 3. Fill-in flash; 4. Flash off; 5. Night	
Focusing Methods	1. Wide AF area; 2. Spot AF area; 3. Manual focus; 4. Macro mode; 5. Landscape mode; 6. Video feedback auto focusing and manual focusing	
Movie Recording Mode	File format: AVI. Movie with sound recording also available	
Recording Time	Up to 30 seconds in 320 x 240 resolution. Up to 120 sec. in 160 x 120 resolution. Playback by computer: Recommended to use QuickTime 4.1 or later (Windows or McIntosh)	
Other Shooting Modes	Long time exposure mode (Off, 2 sec., 4 sec., 8 sec. Selectable) ISO Mode (Auto, ISO 80, 160 and 320) Metering Modes (Evaluation, center-weighted, spot) Digital zoom (On / Off, Selectable)	
LCD Monitor	Built-in 2.5-inch 110,000 pixels, TFT color LCD monitor (474 x 234 pixels) Bright viewing type, viewable in bright sunlight LCD Brightness adjustable	
LCD Monitor Display	1. Remaining battery capacity; 2. Recording mode setting; 3. Number of images remaining; 4. Number of seconds of movie remaining; 5. Digital zoom setting; 6. Date; 7. Focus frame; 8. SD Memory Card / multimedia Card write protect status; 9. Image recorded; 10. Playback mode setting; 11. Setup mode	
Playback Modes	1. Multiple image display; 2. Audio recording; 3. Protect; 4. Erase; 5. All erase; 6. Rotation; 7. Slide show; 8. DPOF setting; 9. Resizing	
Voice Memo Recording	Maximum 30 sec. recordable and playback voice per image File format: WAV	
Resize Image	Resizing original image to 320 x 240 or 160 x 120 Resizing area selectable File format: JPEG	
Movie Modes	Macro / Landscape recording mode, color modes. White balance, focus, audio On / Off	
Erase	Erase one image or Erase all images	
Setup Mode	1. Brightness control; 2. Date; 3. Date inserting; 4. Memory card format; 5. Auto power off time setting; 6. Mode lock; 7. Beep volume; 8. Shutter volume; 9. Select color; 10. Startup screen; 11. REC review; 12. Display language; 13. File number; 14. Reset; 15. Default reset	
LED		
Self-timer (Red)	Indicates: 1. Self-timer operation; 2. Recording complete; 3. Connection to computer	
Card Access (Orange)	Indicates: 1. Recording image; 2. Processing; 3. Writing to the memory card	
Standby (Green)	Indicates focus display	
Caution (Red)	Indicates: 1. Flash charging; 2. Camera shake warning	
Input / Output Connector	External power input connector: USB connector (Mini B)	
Power Source	Lithium battery pack (CR-V3), or 2 pieces AA type Ni-MH batteries	
Dimensions	4.4" (W) x 2.1" (H) x 1.4" (D)mm (Not including protruding parts)	
Weight	Approximately 6 ounces (Not including memory card or battery)	
Ambient Operating Temp.	32-113 degrees F	

**Specifications are subject to change.



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