

# Pentax K-3 Mark III

## Perceived Advantages and Benefits over K-3 II

Feature or Specification	Advantages
<b>USER EXPERIENCE</b>	
<b>New optical viewfinder: Coverage ~100%; mag 1.05x; brighter OVF is 20% larger than K-3 II</b>	Nicer 'experience' when taking photos. More immersive to the scene. Applies each time the camera is used to compose and take a shot. Potentially faster and more accurate Manual Focus.
<b>Viewfinder eye relief: 20.5 mm</b>	Suitable for eyeglasses. Similar to K-3 II.
<b>Camera grip: optimized shape</b>	More comfortable handling, especially for heavier or longer lenses.
<b>New shutter button release mechanism</b>	Lighter, smoother action when pressing the shutter button
<b>Customized controls</b>	Improved operability and user experience.
<b>LCD monitor 1620K dots</b>	Higher screen resolution (60% more dots; K-3 -- 1037K) Nicer experience. Better focus and exposure checking.
<b>LCD monitor: outdoor view setting</b>	Optimized for bright ambient conditions. No need to dive into menu to adjust screen brightness.
<b>Refreshed user interface</b>	Refined camera operation. 'Modern' updated feel
<b>Customization: "Record Aperture information"</b>	Record aperture setting in EXIF for manual, non-A lenses. Field notebook not required.
<b>Overall 'very snappy' and responsive</b>	More enjoyable user experience
<b>IMAGE QUALITY</b>	
<b>Higher image quality: "dramatic improvement" even at 100 ISO</b>	At least 2 stops advantage over K-3 II (reported 2-stop advantage over K-1). Lower noise at higher ISO, similar or better than Fuji X-T3/4 and Pentax KP. Allows less-aggressive post-processing noise reduction > nicer pictures.
<b>New image processing engine</b>	Improved noise reduction while retaining colour and detail fidelity.
<b>Pixel shift: motion correction</b>	Subject motion compensation ON/OFF
<b>Dust Removal II</b>	Sensor cleaning: probably more effective than K-3.
<b>Shake reduction up to 5.5 steps.</b>	Can use slower shutter speeds at same aperture/ISO.
<b>"Sharp, accurate shutter action"</b>	Potential for reduced 'shutter shake'. No restriction at 1/80-1/125 s as in my K-3 II. Better AF.
<b>Autofocus: SAFOX 13; 101 focus points; wider exposure meter; focus point lever.</b>	Easier AF selection for off-center subjects. Better tracking of moving subjects. Potentially faster AF action.
<b>Exposure metering: 307K pixel sensor</b>	Broader scene coverage for more accurate metering (e.g., sky).
<b>Face and Eye Autofocus</b>	Detects, tracks, and focuses on subject's face, in viewfinder mode. Eye AF to be confirmed.
<b>Metering: highlight-weighted metering</b>	Fewer blown highlights (e.g., bright clouds) May avoid spot-metering for general scene exposure?

## OPERABILITY

<b>Touch screen LCD monitor</b>	More convenient and faster parameter selection in menus. Easier and faster focus point selection in Live View.
<b>Night vision LCD</b>	Colours selected to reduce impact on user's night vision.
<b>Smart Function</b>	Improved operability with less menu diving. Wide customization.
<b>Advanced 'Hyper Program' mode</b>	One-touch shift to Av, Tv or TAv modes. 3 <sup>rd</sup> dial for ISO or EV adjustment.
<b>Battery: D-Li90</b>	Interoperability with K-3 II. Use existing batteries as spares.
<b>Electronic shutter</b>	In Pixel Shift mode only.
<b>New and improved video recording</b>	4K and other capabilities.
<b>Depth of Field and Motion Bracketing</b>	3-shot bracketing for out-of-focus variation and subject blur variation. Easier than setting the aperture or shutter speed manually for each shot in the series.
<b>Image buffer: 37 frames RAW; faster transfer</b>	Larger buffer Shorter time to clear buffer means less time to wait for next shot
<b>Drive mode: continuous 12 fps</b>	K-3 has 8 fps.
<b>Flash sync speed 1/200 s.</b>	Slightly faster shutter speed in bright environment (K-3 1/180 s)

## CONNECTIVITY

<b>Wireless, Bluetooth connectivity</b>	Image file transfer to iPhone. Use smartphone for off-camera remote operation. Link to smartphone GPS to receive location info. On-camera 'tilted screen' for high/low camera positions (with inexpensive 3 <sup>rd</sup> party bracket).
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## Other Features compared to K-3 II

Feature	Comments
<b>APS-C format</b>	Use existing lens kit, filters, L-bracket, bags, tripod. Minimal impact on image-file size and post-processing requirements.
<b>Similar button and dial layout</b>	No learning curve.
<b>Updated Menu system</b>	Streamlined
<b>MF lenses: exposure metering in Av or TAv mode</b>	More efficient operation
<b>Can use the camera to provide power to external devices</b>	Emergency power back-up for smartphone
<b>ImageSync application</b>	Uncertain operability; potential glitches?
<b>Need new battery grip</b>	Cannot use K-3 grip. Potential cost: \$3-400.
<b>Price</b>	CAD \$ 2,500 + HST

Compiled by  
Pentax Forums member c.a.m  
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