Chapter 1 : â–· Canon EOS C Mark II vs Sony PXW-X Reviews, Prices, Specs and Alternatives

Sony XDCAM PXW-X70 Pdf User Manuals. View online or download Sony XDCAM PXW-X70 Manual.

Sign up to our weekly email and get our best bits straight to your inbox. Oberoth Does it have 4K60 for better sports recording which is what i have been waiting for since 4k came on the scene about 10 years ago? I can use my phone or action cam to record 4K60 but not from a high end camcorder??? I also think H codec as an option youtube compatible would be great! And yes, the new iPhone does 4K60 so hopefully these new Sony camcorders can do 4K60 too! At least they added slog. Elliot Smith I asked the same question! Apparently just the extra metadata that comes with an MXF wrapper. Is it easy to secure that second mic on top? And to remove the built-in shotgun mic holder if not needed? Long time no hear. Steve Still see some new pocket cam out there. Seems to take very long time for latest Ambarella chips to get used these days. That chip had high bit rate, but good but not as high bit rate in that camera. There are 6k small sensors out for a while too, and 8k capable ambarella for a while. But everybody drags their feet. But the sample footage above is very nice. If only that sensor was in a pocket cam. Keep an eye out for a Nikon stills pocket cam with 4 cameras Charbax. There was a patent out last year. Maybe Nikon is going to do a good mirrorless soon enough. They could make a descent pocket camcorder or stuff like the Nikon patent. It is a real loss to the camera industry, a real step backwards. Sony had an american camera design division that listened to us and made the best. Panasonic locked in a lesser waterproof HD model, and released a boxy pov action camera. Charbax, for your purposes there are many phones, like the LG V30, rigs gimbals, and wireless microphones and recorders. But the Chips are there to make a modern HD, , and soon , but nobodybis bothering. When they put 8k in a phone, they are going to find it might suffer the better quality you want from. Regardless pixels etc the quality for now just looks too poor for me. Would be interesting if V30 or another one of the newest phones would somehow be able to use their dual-cameras to shoot bokeh video. That would be worth looking at. Back then the pixels were big but got good performance. When they went a lot smaller it took a while to get good performance without HDR video mode which can be poor. But the V30 is You can look a the low light test shoots at gsm arena for a lot of top end phones. However, it is video frames you want. What we see in the z90 auto focusing here, is what can be put in a phone. There is an 8mm camera and camcorder version cases out there for iPhone. So people are starting to think along better lines. These people also have some collaborative network going, so if you go to the company page that is what you will see. But frankly, android 7 seems shocking at handling photos anyway. There is an app called opencamera out there, but it is pushing up hill on Android the V30 excluded. It has many quality features too. Chuck Fadely It has optical image stabilization. All the footage shown was handheld. Steve Ok, good camera. There are ways to stitch together small chips to higher resolution. Using 2 to 4 lens on a large sensor chip, or small sensor chips, a very small pocket camera can create post dof and 3D adjustments of professional eng or cinema quality and codec. Any manufacture can make a phone or mini tablet like that cheap as 4 cheap cameras. That would revolutionise feild or studio production. How come we are stuck with these low level improvements here for higher prices. LOLA Great stringer cam. Like Charbax, I was thinking about this thing in a phone. But for the next camera and the stills and even a mobile, a 8k chip for stills at least, even video, with rotate in 4 lens function for post focus, bokeh and 3D, and with kickarse 4: Soon mobiles will be able to use websites like this with features like this from other sensor suppliers. Chuck Fadely The footage I shot was in a number of different formats, including interlaced, which certainly would affect the look. The sharpness settings were whatever Sony had it set to â€" I presume default. I think the sharpness can be turned down, just like on the X This camera is not really a cinema camera, but it will hold its own in the highlights when properly exposed. Thanks for the explanation. Same as X70 monograph Thanks. MondoTV The autofocus is a hardware improvement phase detect built into sensor. Connectivity is also hardware dependent.

Chapter 2 : Sony XDCAM PXW-X70 Manuals

View and Download Sony PXW-X70 manual online. PXW-X70 Camcorder pdf manual download.

You see in the past Sony have done this many times, taken a high end consumer camcorder, updated the firmware, added a handle and then sold it for a higher price as a pro camcorder. In the past, there has in reality been little difference between the cheaper consumer model and the more expensive pro version. This is much more than an AX with new firmware. For a start the body of the camera is quite different. The right hand side of the X70 is quite different to the AX It has a much fatter hand grip. This makes the camera much easier to hold comfortably for long periods. On the top of the hand grip there is a large assignable button that is normally set to act as a control for the focus magnification function. This button falls immediately under your index finger when your shooting. In front of this is a new larger and easier to use zoom rocker and then in front of that is another assignable button, this one set as a one push auto iris button â€" very nice! The back of the handgrip and the small joystick. At the back of the handle there is a small joystick that ends up under your thumb just where it needs to be. This joystick can be used to navigate through the cameras menu system. So, without taking your hand out of the hand grip you can check focus, zoom in and out, set your exposure and go through the menu system. Ergonomically this camera is really good, especially when you consider how small it is. The camera has a nice 12x stabilised, optical zoom lens, behind which sits a 1 inch 20 megapixel sensor. In video mode about 14 million pixels are used, so even in 4K there will be a paid 4K upgrade option next year there are more pixels than needed for full resolution. Frame grab from PXW-X Click on the image to see the full size frame. The clear image zoom really is remarkably transparent. If 24x is not enough there is also a further digital extender, controlled by a button on the right side of the lens that doubles the digital zoom. The left side of the PXW-X70 As well as the optical stabiliser in the lens the camera also has a switchable electronic stabiliser. The active steadyshot is very effective at smoothing out even the shakiest of hands. But it does tend to hang on or grab hold of the image a bit. So when you do deliberately move the camera it tends to try to stabilise the scene until it can no longer correct for the cameras movement at which point the scene is suddenly released and starts to move. If your using a tripod you definitely want to just use the standard steadyshot and not the active mode. There are two card slots and you can choose between relay record where the camera will switch from slot A to slot B once A is full, or you can make two simultaneous recordings on both cards at the same time. This gives an instant backup if you need it. You can shoot at up to 60fps in 60i mode and 50fps in 50i mode. In 60i mode you also have 24fps. Frame grab form the PXW-X70, click on the image to see full size. Considering this is a highly compact, single chip camera the images it produces are really very good. The pictures are remarkably noise free at 0db and largely free of artefacts. This makes edges slightly flickery and gives the pictures a tell tale small sensor look. Train sitting in station. Occasionally very fine, high contrast details like white text on a black background can look a little busy, but this is very minor. One thing I did find with this camera is that because there is so little noise and the codec is so good, you could quite comfortably shoot about a stop darker than you would normally and then just bring the image up a bit in post. Shooting a little darker helps the camera handle bright highlights and then in post you can just bring up the shadows and mid tones with a simple colour correction to give a nice exposure. I wish I had realised this when I shot the demo video. I would have exposed a little on the dark side and then tweaked the shots in post. If your using auto exposure you can set an exposure offset to allow for this in the menu. PXW-X70 without the top handle fitted. The X70 is pretty sensitive and 9db of gain is quite useable, so shooting indoors in a typical home or at a wedding venue without extra lights should be no problem. As well as being generally rather sensitive the PXW-X70 also has a nightshot mode that bypasses the cameras IR filter and includes a switchable infra-red light, so you can shoot in total darkness if you want. To see what you are shooting there is a 3. This panel is higher resolution than the one on the AX and gives a sharp and pretty accurate image. On the back of the camera there is a small OLED viewfinder. This little OLED is pretty good. It has great contrast and is pretty sharp for a small finder. The HD images are crisp and sharp without any obvious sharpening, almost certainly a result of having a 4K ready sensor. The lack of obvious detail correction helps give the

pictures a pleasing, more filmic look. The camera has picture profiles so if you want you can soften or sharpen the images if you choose. As well as detail and aperture controls there are also controls for gamma standard, still, Cinematone1, Cinematone2, ITU and color. In addition there is a choice of 6 different preset color modes plus black and white. The camera can be controlled either fully automatically or fully manual as well as various in between modes. There is a switch on the back of the camera to switch between auto and manual. In manual you can control the iris, shutter and gain by pressing one of three buttons along the bottom edge of the camera and the using a small wheel just below the lens to set what you have selected. In practice this actually works quite well. There is another button for white balance control on the side of the camera with the usual presets plus auto white balance. On the lens there is a single large control ring that can be used to focus the lens or to act as a manual zoom ring. There really is so much to this camera that it would take a small book to go through all the features. The supplied detachable handle is really well made and very secure when attached. One small note is that by default when you attach the handle to the MI-shoe the camera switches to XLR audio automatically by default. You have to go in to the audio section of the menu to enable the internal mic if you want to use the handle but want to use the built in mic. The camera has WiFi and NFC and allows remote control via Content Browser Mobile and simply touching an NFC enabled phone or tablet against the side of the camera will pair the camera with the phone or tablet. In the future following a firmware update you will be able to use the camera to stream your content live via U-stream. Finally â€" build quality. It feels nice and solid, it feels like it will really last. It survived, no problem at all. This is a nice little camera. The picture quality is very good for such a compact camera, the only thing that lets it down just a bit is the highlight handling. But the camera is so clean that you can afford to expose a little lower to compensate for this. Since shooting the demo video I have been playing with the picture profiles to help with the highlight exposure and I found that bringing up the black gamma really helps as it lifts the mid range allowing you to expose slightly lower. The large sensor, combined with the switchable built in ND filters gives you much greater control over the depth of field than normally possible with a compact handycam. I think you have to remember that this is a small camera.

Chapter 3 : â– Sony NEXEA50 vs PXW-X Reviews, Prices, Specs and Alternatives

The PXW-X70 takes advantage of Sony's flexible Multi-Interface (MI) Shoe, which provides power, signal connections, and coordinated on/off switching to compatible Sony accessories. For example, you can connect and control Sony UWP-D wireless microphone systems (sold separately).

The PXW-X70 gives users the ultimate balance between picture quality, advanced functionality and compact size. Zoom performance can be doubled at any point with a Digital Extender by up to 48x. Other professional features include a manual lens ring that can intuitively control zoom and focus, ergonomic palm grip with large zoom lever, two SD memory card slots for backup, simultaneous and relay recording, and a three-level switchable ND filter. The sensor has High sensitivity and high resolution The PXW-X70 has higher resolution than any other camcorder in its price range. Compact body The palm-sized PXW-X70 is ergonomically designed to provide a lightweight and easy-to-use experience. Data transfer rate, specified by two image quality menu settings xp and xp , can be selected to suit the network environment being used. Ideal for small events that do not require multi-camera switcher operation, it is possible to share scenes as they happen with high quality picture and sound. Two resolution modes are available: The small size of the proxy file makes it easy to quickly transfer over low-bandwidth networks, allowing preview and even editing of content with proxy content being swapped out the high bit-rate file when available. Two media slots can record in either Simul or Relay mode. Simul mode permits simultaneous recording to two memory cards, while Relay mode automatically switches recording from the first to the second memory card when the first is full. Ideal for capturing grand landscapes, it also provides up to 12x optical zoom. In addition, Digital Extender can double this range again, up to 48x zoom. Super Resolution Technology is a Sony original intelligent interpolation which analyzes the input image and increases the resolution of the image. Lens ring The lens ring enables smooth, natural adjustment of focusing or zooming, depending on which mode is selected. The frame rate can also be set to 1 fps for 50x quick motion. Picture Profile You can fine-tune the look of movies before shooting by adjusting gradation black level, gamma and black gamma , adjustment mode, intensity, tone and depth , basic gamma and mode and more. Adjusted parameters can be saved along with other settings as a profile, and up to seven profiles can be stored for later recall. User can copy the settings from one PXW-X70 to another PXW-X70 so that user can shoot with multiple cameras in the same settings only works with same model camcorders. Also, users can save camera settings for each scene, so that it is possible to recall proper settings for the scene immediately. The high resolution 1,K dot of the viewfinder allows better precision of manual focus operations and eliminates any color-breaking phenomenon.

Chapter 4 : Sony PXW-X70 - Voosestore

Sony PXW-X70 This device is in our compatibility list because it has a "clean output" i.e. no menu information on the sensor output. By understanding what your device can output in the terms of resolution, frame rate and connectivity you'll be in a better position to understand the best Atomos device for you.

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Chapter 5 : Sony Creative Software - Content Browser 2

Find Downloads, Manuals, Tutorials, FAQ (Frequently Asked Questions), Tips & Tricks, How to's, Firmware, Drivers, Software, Problem Solving about PXW-X

Chapter 6 : Sony PXW-X70 Professional XDCAM Compact Camcorder PXW-X70 B&H

The new Sony PXW-X70 XDCAM camcorder. Initial Thoughts. As the owner of a Sony AX, which is a really great little 4K and HD camcorder I wasn't really all that excited when I saw the first prototype of the X70 at Broadcast Asia back in June.

Chapter 7 : SONY PXW-X70 MANUAL Pdf Download.

Grab a cup of tea and a biscuit or two - this is a longish video that nonetheless whizzes through all the menus on the

Sony PXW-X70 camcorder, including setting up recording formats, audio.

Chapter 8 : pxw-x70 | blog.quintoapp.com

Sony PXW-X70 XDCAM Hand-Held Camcorder, 1" Exmor R CMOS Sensor, 12x Optical Zoom, 48x Digital Zoom, USB/HDMI - Bundle with Sony 4K Upgrade License Key for PXW-X70 Camcorder by Sony $1, $ 1,

Chapter 9 : Sony PXW-X70 - Highway AV

Sony's PXW-X70 Professional XDCAM Compact Camcorder is about the same size as a conventional 1/3" professional compact camcorder, but it features a 1" type sensor, which is larger than a super sized sensor and more than eight times the size of a 1/3" sensor. The larger Exmor R sensor size.